



The Reproducible Researcher

# Preclinical Tool Registration Guide

Step-by-Step Instructions for Registering  
Preclinical Research Tools

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# Preclinical Research Tools

This document provides a step-by-step guide to registering preclinical research tools.

The [ASAP Open Science Policy](#) requires researchers to (1) cite all newly-generated lab resources (antibodies, cell lines, plasmids/clones, transgenic models, and other reagents) and (2) to deposit those resources in a publicly accessible repository.

For additional help and questions, email [openscience@parkinsonsroadmap.org](mailto:openscience@parkinsonsroadmap.org).

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# What is an RRID?

**Research Resource Identifiers (RRIDs)** are persistent and unique IDs that allow researchers to reference the tools and resources that were utilized to support the research efforts described in preprints and final publications.

Registering lab resources for an RRID is a free process that provides several benefits:

- **Centralized system:** RRIDs are a way to centralize the resource database for materials being used in biomedical research
- **Impact assessment:** RRIDs are machine-readable, so the resource can be easily identified in any text
- **Consistent:** RRIDs are consistent across both publishers and vendors
- **Resolve URLs and catalog numbers:** Resource catalog numbers may change. The RRID is constant.
- **Identification of problematic tools:** Whenever there is a problematic tool (e.g., contaminated cell line), it is flagged in the RRID database

# Antibodies

1. To register an antibody, visit <https://scicrunch.org/resources/about/resource>
2. Select Antibody

RRID Portal

ABOUT -

## Add a resource

Home / Tools / Add a resource

What is a Resource?  
RRID contributes to the SciCrunch Registry, the antibodyregistry.org, Colossaurus database and a large number of model organism databases.  
To submit your information for a new research resource, you must first select the type of resource. You will most likely be taken to a site outside of the RRID portal because the RRID is based on identifiers that are available from your favorite community sources.  
If you are having trouble, or someone is not responding to your submission please contact us and we will try to help. In most cases, we can either submit the resource for you, or contact an administrator that will take you through the process.

### Choose a resource type

Resource Type	Select
Antibody	<input checked="" type="radio"/>
Cell Lines	<input type="radio"/>
Core Facility	<input type="radio"/>
Organism	<input type="radio"/>
Plasmid	<input type="radio"/>

Suggest a resource (resources include software, organizations, databases, etc). Organisms and antibodies should not be submitted to the resource registry.  
Just provide the minimal information for a resource and we'll fill in the rest. Suggesting a resource will not generate an RRID until a SciCrunch curator approves it.

3. Login to the Antibody Registry with your ORCID or email and password. If you are a new user, create an account.
4. Select 'Personal Antibody'

Commercial Antibody/Kit

Personal Antibody

Other/Custom Antibody

Want to do a bulk upload? [Contact us](#)

## Log in to the Antibody Registry

[ID Sign in with ORCID](#)

Or use your Antibody Registry credentials

Email

Password

Remember for 30 days [Forgot Password?](#)

[Log in](#)

New user? [Create your account](#)

## 5. Add Antibody details and select 'Submit'

### 2. Antibody Details

Identifier (Mandatory) <input type="text" value="An catalogNumber unique to your antibody (e.g. Labname_001 or myab_1023)"/> <small>Note: Submit unregistered antibodies only</small>	Principal Investigator - Institution or Vendor (Mandatory) <input type="text" value="(e.g. J. Doe - Harvard)"/>
Principal Investigator's/Institution's Website or Vendor Website (Mandatory) <input type="text" value="http:// or https://"/>	Antibody name (Mandatory) <input type="text" value="Anti-phospho-Glo1(Y136) Antibody"/>
Host Species (Mandatory) <input type="text" value="Rabbit"/>	Target/Reactive Species (Mandatory) <input type="text" value="Mouse"/>
Antibody Target (Mandatory) <input type="text" value="phospho-Glo1(Y136)"/>	Clonality (Mandatory) <input type="text" value="Unknown"/>
Clone ID <input type="text" value="C200234"/>	Isotype <input type="text" value="IgG"/>

Step 2/2: Antibody Details

[Previous](#) [Submit](#)

## Example of successful antibody registration

# Resource Summary Report

New Search

Previous Search Results

Home / Resource Reports / Antibodies / Resource Summary Report

### Antibody Name

\*NOTICE: Multiple vendors found, please select your record:

**alpha Synuclein Antibody**

RRID:AB\_792157

[PDF REPORT](#) [HOW TO CITE](#)

### Antibody Information

URL: [http://antibodyregistry.org/AB\\_792157](http://antibodyregistry.org/AB_792157)

Proper Citation: (Novus Cat# NB120-15534, RRID:AB\_792157)

Target Antigen: alpha Synuclein

Host Organism: rabbit

Clonality: polyclonal

Comments: Immunohistochemistry-Paraffin

[Expand All](#)

### Usage and Citation Metrics

We have not found any literature mentions for this resource.

Check [Google Scholar](#) for all resource mentions.

### Collaborator Network

A list of researchers who have used the resource and an author search tool. This is available for resources that have literature mentions.

### Ratings and Alerts

No rating or validation information has been found for alpha Synuclein Antibody.

No alerts have been found for alpha Synuclein Antibody.

[Report Information](#)

### Data and Source Information

Source: [Antibody Registry](#)

# Cell Lines

1. Confirm novelty by searching for similar registered cell lines at [scicrunch.org/resources](http://scicrunch.org/resources) and [www.cellosaurus.org](http://www.cellosaurus.org)



**Browse**

- Browse by cell line group
- Browse by cell line panel
- Browse problematic (contaminated/misidentified) cell lines
- SARS-CoV-2 relevant information

**Tools**

- CLASTR - STR similarity search
- API - Application Programming Interface

**Documentation**

- Description of the Cellosaurus
- Release notes
- Educational resources
- Frequently asked questions (FAQ)
- Questions/answers relevant to cell lines
- News archive
- Cellosaurus references
- Cellosaurus Scientific Advisory Board
- Overview of the Research Identification Initiative

**Associated resources**

- Invitromaticists spotlight
- SKY karyotypes of epithelial cancer cell lines

**Download**

- Download complete Cellosaurus data in various formats

**Tweets from @Cellosaurus**

**Cellosaurus @Cellosaurus · May 10**

A very significant milestone for the #Cellosaurus: there are now 10,000 papers that have cited one or more Cellosaurus #cellline Research Resource Identifiers (#RRID)

**Graph of Articles with CVCL IDs**

Year	Number of Articles
2006	0
2007	0
2008	0
2009	0
2010	0
2011	0
2012	0
2013	0
2014	0
2015	0
2016	0
2017	0
2018	0
2019	0
2020	0
2021	0
2022	0

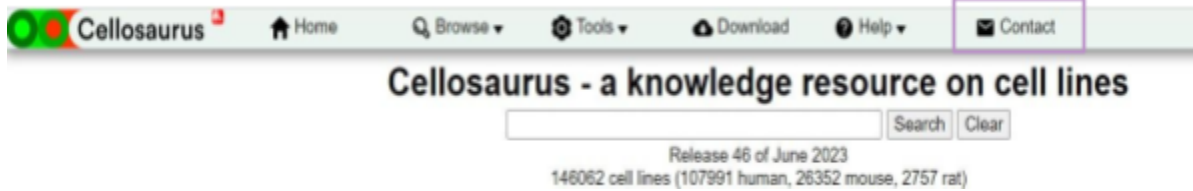
**Cellosaurus @Cellosaurus · May 8**

The #Cellosaurus is proud to be hosted on Expiry.org

**SIB @ISBSIB · May 4**

Did you know that Expiry.org launched in the same year as the #WorldWideWeb was made publicly

2. Register cell lines through the Cellosaurus Home Page by selecting “Contact” on the top panel menu.



3. Fill in the information and click Submit. The information that should be included in the request varies depending on if the cell lines are described in a publication.

### Cell Lines Described in a Publication

**Subject:** Indicate that this cell line is described in a publication

**Message:** Provide a link to the publication where your cell line was first described

### Cell Lines are NOT Described in a Publication

**Subject:** Indicate that this is a request to create a new Cellosaurus entry

**Message:** Provide the following information

- Name - Species of origin (if not human, include strain/breed)
- Gender and age of donor
- Category of cell line (e.g., cancer, hybridoma, iPSC, ESC, etc.)
- If the donor is suffering from a disease, include the disease name

## Send mail to Expasy Helpdesk

(All fields are mandatory)

Your E-Mail address:

Your name:

Subject:

[cellosaurus]

*Please take a minute to check whether your request is not answered in our FAQ. In particular, please note that we do not sell/distribute any cell lines, but provide a few hints on how to find your favorite cell line*

Your message:

Send a copy to yourself.

(to cancel go back to previous page)

# Plasmids

1. Visit [Addgene.com](https://www.addgene.com) and select "Deposit a Plasmid" on the home page



2. Scroll down to "Submit Plasmids Using a Spreadsheet"
3. Select "Download Deposit Spreadsheet"

### Submit Plasmids Using a Spreadsheet

- Recommended for depositing 10 or more plasmids. If you have more than 75 plasmids, contact us at [deposit@addgene.org](mailto:deposit@addgene.org).
- Copy and paste your plasmid data directly into our file.
- Email the spreadsheet back to us at [deposit@addgene.org](mailto:deposit@addgene.org) along with:
  - Addgene account username. In order for the plasmids to appear in your Addgene account under **My Plasmids**, we need to know your Addgene account username.
  - Shipping address and phone number.
  - Plasmid sequences or GenBank files. We can accept sequence files in any format. We encourage submission of QUEEN-generated GenBank files (Mori and Yachie, 2021).
  - Distribution status for your plasmids - Hold for Publication or Distribute pending QC.
  - The name of the Principal Investigator and Organization where these constructs were first created.

[Download Deposit Spreadsheet](#)



4. Save the file as “Lab/PI Name\_Addgene\_BatchUpload”  
 Example: SmithLab\_Addgene\_BatchUpload

Plasmid Name	Plasmid Type	Purpose	PubMed ID	Gene or insert Name	Alternative Gene/insert Name 1	Alternative Gene/insert Name 2	Entrez Gene ID	gRNA/shRNA Sequence	Insert Size	Species of gene or insert	Additional Species of gene or insert	Species Other	Relevant Mutations

**If you are depositing more than 75 plasmids, you must email [deposit@addgene.org](mailto:deposit@addgene.org) BEFORE completing this spreadsheet.**

5. Fill in the spreadsheet with as much information as possible.  
**Please review the REQUIRED information below:**

- Plasmid Name
- Plasmid Type
- Purpose
- Gene or Insert Name
- Species of gene or insert
- Relevant Mutations
- Backbone Name
- Primary vector type
- Cloning Method
- Bacterial Resistance
- High or Low Copy
- Growth Temperature
- Growth SStrain
- Hazardous
- Patents or licenses

6. Upon completion, email the following to [deposit@addgene.org](mailto:deposit@addgene.org)
- a. Completed spreadsheet
  - b. Any plasmid sequence files, maps, and/or GenBank files; each file name containing the provided plasmid name
  - c. Shipping address for Addgene to send a Deposit Kit
  - d. Name of Principal Investigator and Organization where the constructs were first created
  - e. Addgene account username (optional: include this information if you want the plasmids to appear in your account under “My Plasmids”)

# Mice

1. Register mouse strains with Mouse Genome Informatics (MGI) by visiting [http://www.informatics.jax.org/mgihome/submissions/amsp\\_submission.cgi](http://www.informatics.jax.org/mgihome/submissions/amsp_submission.cgi)
2. Fill in contact details

## Mutant Alleles, Strains, and Phenotypes Submission Form

Contact Details: \* = required field

Last name:	*	<input type="text"/>	Street Address:	<input type="text"/>
First name (& middle initial):	*	<input type="text"/>	City:	<input type="text"/>
E-mail address:	*	<input type="text"/>	State/Province:	<input type="text"/>
E-mail address (repeat):	*	<input type="text"/>	Postal Code:	<input type="text"/>
Principal Investigator:		<input type="text"/>	Country:	<input type="text"/>
Institute/Organization:		<input type="text"/>	Telephone:	<input type="text"/>
			Fax:	<input type="text"/>

3. Select publication preference

### Citing your data:

Are your data published?  yes  no

If no, would you prefer that your data:  be public at the MGI website now  be held private until publication

Provide reference(s) or PubMed IDs for published data or authors & descriptive title for unpublished data:

If data are available from a website, please list URL:

4. Provide any additional information by selecting the appropriate **Purple** heading

### Choose information type(s) to submit.

Click a heading to open or close its respective section.

**Allele** Name and describe a new allele, mutation, or transgene

**Strain** Register a new mouse strain

**Phenotypes** Submit phenotype data for given genotypes

**File Submissions** Submit data files (e.g. images, text files, Excel, or bulk data)

5. Provide any additional comments. Click 'verify'

## 6. For Alleles, provide the following:

### Enter Allele Data: \* = required field

Suggest **symbol** and/or **name** for this mutation: \*

If this mutation is an allele of a **known gene** enter the **gene symbol** or **MGI ID**: (Check by [searching MGI](#).)

Common nicknames for this mutant allele

Class of Allele (check all that apply): \*

- spontaneous  ENU induced  chemical (non-ENU) induced  irradiation induced  transgenic  gene trapped  targeted  
 conditional/targeted  endonuclease-mediated  recombinase (cre or other) containing  transposon induced  other (specify)

For transgenes, specify transgene promoter:

For targeted mutations or gene traps, specify ES cell line used: (Example: E14.1, JM8A3)

For gene traps, specify the resulting mutant ES cell line: (Example: AD0888)

Inheritance:  dominant  codominant  semidominant  recessive  X-linked  other (specify)  unknown/not applicable

Strain background in which the mutation occurred (Examples: C57BL/6J, 129P2/OlaHsd)

Genome Location (Chromosome, genome coordinates, cM) and molecular detail about this allele, such as "exon 1 deletion, etc.":

- For hints on mutant allele nomenclature, see [Quick Guide to Nomenclature for Alleles and Mutations](#).
- [Lab codes](#) are available from ILAR (Institute of Laboratory Animal Resources).
- **If you would like assistance with allele nomenclature:**
  - Check the box here and continue with your submission. We will contact you about nomenclature for this mutation.

## 7. For Strains, provide the following:

### Register a New Mouse Strain: \* = required field

Enter a suggested **strain name**.

When mutant alleles are part of the strain name, use < > to indicate the superscripted alleles.

Example: **C57BL/6J-Kit<sup>W-39J</sup>** should be entered as **C57BL/6J-Kit<W-39J>**

\*

Enter the **gene symbols** corresponding to alleles carried on this strain.

Example: for the strain **NOD/LtSz-Prkdc<scid> B2m<tm1Unc>**, the gene symbols entered into this box would be **Prkdc** and **B2m**.

  
(one gene symbol per line)

If this strain is in a repository, please list the repository (View: list of [repositories](#))

Enter its repository ID or MGI ID for this strain, if known

**Strain categories:** Choose one or more. \*

- inbred strain  wild-derived  recombinant inbred (RI)  
 segregating inbred  outbred  recombinant congenic (RC)  
 mutant strain  coisogenic  major histocompatibility congenic  
 mutant stock  congenic  minor histocompatibility congenic  
 consomic  other, specify

- For hints on strain nomenclature, see [Guidelines for Nomenclature of Mouse and Rat Strains](#).
- [Lab codes](#) are available from ILAR (Institute of Laboratory Animal Resources).
- **If you would like assistance with strain nomenclature:**
  - Check the box and continue with your submission. We will contact you about nomenclature for this strain.

## 8. For Phenotypes, provide the following:

**Submit Phenotype Data:** \* = required field

**Mutant allele(s)** analyzed.

List one or more allele pairs analyzed in the animal (one allele pair per line, with the alleles comma separated).  
When entering mutant alleles, use < > to indicate the superscripted portion of an allele.

**Example:**

If you phenotyped animals that were heterozygous for **Kit<sup>W-39J</sup>** and homozygous for **Tec<sup>tm1Welm</sup>**, they should be entered as

```
Kit<W-39J>, Kit<+>
Tec<tm1Welm>, Tec<tm1Welm>
```

Enter allele pairs of your phenotyped animals: \*

(Find the correct allele symbol by [searching MGI](#).)

Additional allele information not currently in MGI (allele synonyms, ES cell line, strain of origin, mutation type, molecular description, etc.):

**Genetic Background:** Genetic background can have a significant effect on phenotype.

Enter the Strain/Genetic Background on which phenotypes were analyzed: \*

Other Strain/Background Information (e.g. specify crosses): Click here for an [example](#).

• **If you would like assistance with the Genetic Background Section:**

- Check the box here and continue with your submission. We will contact you about determining the correct genetic background.

**Phenotype:**

Phenotypic Description (enter text, describing details of phenotypes observed, etc.): \*

Click here for an [example](#). You may browse the [Mammalian Phenotype Ontology](#) and use these terms to describe the phenotype.

If this genotype + genetic background is a model for a human disease based on phenotypic similarity, please name the disease and include any associated information:

Other known information (gene function/pathway, available clones, GenBank numbers, etc.) that will enhance these data:

9. For File Submission, provide the following:

**File submissions:**

You may submit a limited number of files using this form. Please limit file size to <5 MB.  
If you have larger files, or many files to submit, please contact us at: [mgi-submissions@jax.org](mailto:mgi-submissions@jax.org).

Are the file(s) that you submitted copyrighted?  yes  no  
If you have entered copyrighted information we will contact you.

Upload your data files (images, text descriptions, Excel, or text data):

File 1:  No file chosen

See [examples and templates](#) for file submissions.

10. Select “Verify” to review and complete your submission

**Completing your submission:**

Are there any additional comments or information you would like to convey about your data?

**Use the buttons below to verify your data before submission or to reset the entire form.  
Thank you!**



# Rats

1. Register rat strains with Rat Genome Database (RGB) by visiting <https://rgd.mcw.edu/rgdweb/models/strainSubmissionForm.html?new=true>
2. Provide Strain information

## Strain Information

### Strain Symbol \*

Please enter a symbol for the strain being submitted, for example: BN/Crl, or SHR.BN-(D13Arb5-Ren)/lpcv. For more information, please refer to the [rules for strain nomenclature](#) and the [rules for naming endonuclease-mediated mutants](#) for strains produced using CRISPR/Cas, TALEN or ZFN mutagenesis. For help naming your strain please contact [RGD.Data@mcw.edu](mailto:RGD.Data@mcw.edu).

### Type

### Genetic Status

### Method

### Other Method

If you selected "other" as the method above, please specify the method you used here.

### Background Strain

### Provide a description of strain's origin

Example: "The CRISPR/Cas9 system was used to introduce a 5-bp deletion in exon 3 of the Spp1 gene of SHRSP/A3NCrl rat embryos."

### Reference/Pubmed ID

If this strain has been mentioned in any published paper please give that citation here. ( author, journal, vol, page number, or PMID).

### Research Use

Optional. If this strain has been or could be used for research in a particular area, please indicate this. For example, this could be a disease area such as cardiovascular or cancer, or a phenotype category such as reproduction.

### ILAR Code

This is the laboratory code assigned by [The Institute of Laboratory and Animal Research](#) to each lab or group. Registering a group at ILAR identifies the group as a place where this strain was originated and maintained.

### Upload image file if available

 No file chosen

Upload image of size less than 5MB. Acceptable file formats: .PNG, .JPEG, .GIF

### 3. Provide Gene/Allele information

#### Gene/Allele Information

Gene Symbol

Gene RGD ID (if known)

Allele Symbol

Allele RGD ID (if known)

### 4. Indicate Availability

#### Availability

Current Status:  Live Animals  Cryopreserved Embryo  Cryopreserved Sperm

Where could this strain be obtained? \*

Availability Contact Email

Availability Contact URL

### 5. Provide Contact information

#### Submitter Contact Details

Last Name/Surname \*

First Name \*

Email Address \*

Laboratory PI

PI Email Address

Institution/Organization

6. Provide any additional information and indicate preference for public sharing. At the time of publication, the strain will need to be public per ASAP Open Science Policies.

**Additional Information**


Additional Information about the STRAIN or ALLELE or GENE or any information you want to provide.

Please let us know if you want this strain to be displayed on the RGD website. If not, check Non Public (we can hold a strain until instructed by you to release it).

Public  Non Public

7. Confirm you are not a robot and submit.

I'm not a robot

  
reCAPTCHA  
[Privacy](#) - [Terms](#)