

REAGENT or RESOURCE	DILUTION	INCUBATION TIME	SOURCE	IDENTIFIER
<b>Antibodies</b>				
Goat anti-Tyrosine Hydroxylase (polyclonal)	1:500	Overnight	My Biosource	Cat# MBS421729
Mouse anti-Alpha-synuclein (monoclonal)	1:40	Overnight	Leica	Cat# NCL-L-ASYN
Mouse anti-Phospho. Alpha-synuclein (monoclonal)	1:1000	Overnight	FUJIFILM Wako	Cat# 015-25191
Guinea Pig anti-P62 (polyclonal)	1:1000	Overnight	PROGEN	Cat# GP62-C
Mouse anti-Ubiquitin (monoclonal)	1:500	Overnight	Abcam	Cat# ab7254
Rabbit anti-NeuN (monoclonal)	1:1000	Overnight	Abcam	Cat# ab177487
Rabbit anti-Iba 1 (polyclonal)	1:500	Overnight	FUJIFILM Wako	Cat# 019-19741
Mouse anti-CD68 (monoclonal)	1:300	Overnight	Dako	Cat# M0814
Donkey anti-Goat (Biotin-SP-conjugated)	1:600	120 min	Jackson ImmunoResearch	Cat# 705-065-147
Donkey anti-Goat (Alexa488-conjugated)	1:200	120 min	Invitrogen	Cat# A-11055
Donkey anti-Goat (Alexa350-conjugated)	1:200	120 min	Invitrogen	Cat# A-21081
Donkey anti-Goat (Alexa633-conjugated)	1:200	120 min	Invitrogen	Cat# A-21082
Donkey anti-Guinea Pig (Alexa594-conjugated)	1:200	120 min	Jackson ImmunoResearch	Cat# 706-585-148
Donkey anti-Mouse (Alexa488-conjugated)	1:200	120 min	Invitrogen	Cat# A-21202
Donkey anti-Mouse (Alexa546-conjugated)	1:200	120 min	Invitrogen	Cat# A-10036
Donkey anti-Rabbit (Alexa488-conjugated)	1:200	120 min	Invitrogen	Cat# A-21206
<b>Critical commercial assays</b>				
ABC kit standard		60 min	Vector Laboratories	Cat# PK4000
Neutral Red	0.40%	1 min	Sigma-Aldrich	Cat# 72210
V-VIP		1 min	Vector Laboratories	Cat# SK-4600
Proteinase K	1 µg/ml	10 min	Invitrogen	Cat# 25530049
DAPI	1:50000	5 min	Invitrogen	Cat# D1306
<b>Software and algorithms</b>				
Fiji Image J version 1.53c			ImageJ NIH	<a href="http://www.imagej.nih.gov/ij">www.imagej.nih.gov/ij</a>
Aiforia version release_5.5			Aiforia Technologies	<a href="http://www.aiforia.com">www.aiforia.com</a>
GraphPad Prism version 9.0.2.			GraphPad Software	<a href="http://www.graphpad.com">www.graphpad.com</a>