

Fusion MBOAT2-PRKCE and Interaction YWHAZ-PRKCE (Complex 2wh0):

(No direct effect on interaction 2wh0)

YWHAZ: 1-1

2wh0 Chain B

PRKCE: 1-364

YWHAZ: 2-228

2wh0 Chain Q

PRKCE: 365-372

YWHAZ: 229-245

PRKCE: 373-737

YWHAZ: 1-1

2wh0 Chain B

PRKCE: 1-364

YWHAZ: 2-228

2wh0 Chain Q

PRKCE: 365-372

YWHAZ: 229-245

PRKCE: 373-737

3D

Complex: 2wh0
YWHAZ

Chain: B

Length: 1 - 245

Included in Interaction: 2 - 228

PRKCE

Chain: Q

Length: 1 - 737

Included in Interaction: 365 - 372

Pfam

C2: 6-119

C1_1: 170-223

C1_1: 243-295

Pkinase: 408-668

Pkinase_C: 689-730

COSMIC

Catalogue of somatic mutations in cancer

Mutation: COSF674

MBOAT2 genomic breakpoint: 705

MBOAT2 AA breakpoint: 235

PRKCE genomic breakpoint: 1920

PRKCE AA breakpoint: 640

Other interactions affected by fusion MBOAT2-PRKCE

None

Fusion Effect

YWHAZ: 1-1

2wh0 Chain B

PRKCE: 1-364

YWHAZ: 2-228

2wh0 Chain Q

PRKCE: 365-372

YWHAZ: 229-245

PRKCE: 373-737

Jmol

Reaction:

ATP + a protein = ADP + a phosphoprotein.

Author Description:

RECOGNITION OF AN INTRACHAIN TANDEM 14-3-3 BINDING SITE WITHIN PROTEIN KINASE C EPSILON

Citation:

<http://europepmc.org/abstract/MED/19662078>

