

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

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>

