10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

AKTIP Antibody(C-term) Blocking peptide

Synthetic peptide
Catalog # BP19369b

Specification

AKTIP Antibody(C-term) Blocking peptide - Product Information

Primary Accession Q9H8T0

AKTIP Antibody(C-term) Blocking peptide - Additional Information

Gene ID 64400

Other Names
AKT-interacting protein, Ft1, Fused toes protein homolog, AKTIP, FTS

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

AKTIP Antibody(C-term) Blocking peptide - Protein Information

Name AKTIP (HGNC:16710)

Function
Component of the FTS/Hook/FHIP complex (FHF complex) (PubMed:32073997). The FHF complex may function to promote vesicle trafficking and/or fusion via the homotypic vesicular protein sorting complex (the HOPS complex). Regulates apoptosis by enhancing phosphorylation and activation of AKT1. Increases release of TNFSF6 via the AKT1/GSK3B/NFATC1 signaling cascade. FHF complex promotes the distribution of AP-4 complex to the perinuclear area of the cell (PubMed:32073997).

Cellular Location
Cytoplasm. Cell membrane; Peripheral membrane protein

AKTIP Antibody(C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

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AKTIP Antibody(C-term) Blocking peptide - Images

AKTIP Antibody(C-term) Blocking peptide - Background

The mouse homolog of this gene produces fused toes andthymic hyperplasia in heterozygous mutant animals while homozygousmutants die in early development. This gene may play a role inapoptosis as these morphological abnormalities are caused byaltered patterns of programmed cell death. The protein encoded bythis gene is similar to the ubiquitin ligase domain of otherubiquitin-conjugating enzymes but lacks the conserved cysteineresidue that enables those enzymes to conjugate ubiquitin to thetarget protein. This protein interacts directly withserine/threonine kinase protein kinase B (PKB)/Akt and modulatesPKB activity by enhancing the phosphorylation of PKB's regulatorysites. Alternative splicing results in two transcript variantsencoding the same protein.

AKTIP Antibody(C-term) Blocking peptide - References

Notaridou, M., et al. Int. J. Cancer (2010) In press :Quaye, L., et al. Hum. Mol. Genet. 18(10):1869-1878(2009)Xu, L., et al. Mol. Biol. Cell 19(12):5059-5071(2008)Lamesch, P., et al. Genomics 89(3):307-315(2007)Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :