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FNBP1L Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP16582c

Specification

FNBP1L Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q5T0N5

FNBP1L Antibody (Center) Blocking Peptide - Additional Information

Gene ID 54874

Other Names
Formin-binding protein 1-like, Transducer of Cdc42-dependent actin assembly protein 1, Toca-1, FNBP1L, C1orf39, TOCA1

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.

FNBP1L Antibody (Center) Blocking Peptide - Protein Information

Name FNBP1L

Synonyms C1orf39, TOCA1

Function
Required to coordinate membrane tubulation with reorganization of the actin cytoskeleton during endocytosis. May bind to lipids such as phosphatidylinositol 4,5-bisphosphate and phosphatidylserine and promote membrane invagination and the formation of tubules. Also promotes CDC42-induced actin polymerization by activating the WASL/N-WASP-WASPIP/WIP complex, the predominant form of WASL/N-WASP in cells. Actin polymerization may promote the fission of membrane tubules to form endocytic vesicles. Essential for autophagy of intracellular bacterial pathogens.

Cellular Location
Cytoplasm. Cytoplasm, cytoskeleton. Cytoplasm, cell cortex. Cytoplasmic vesicle. Cell membrane; Peripheral membrane protein; Cytoplasmic side

FNBP1L Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

FNBP1L Antibody (Center) Blocking Peptide - Images

FNBP1L Antibody (Center) Blocking Peptide - Background

The protein encoded by this gene binds to both CDC42 andN-WASP. This protein promotes CDC42-induced actin polymerization byactivating the N-WASP-WIP complex and, therefore, is involved in apathway that links cell surface signals to the actin cytoskeleton.Alternative splicing results in multiple transcript variantsencoding different isoforms.

FNBP1L Antibody (Center) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Bu, W., et al. PLoS ONE 5 (8), E12153 (2010) :Bu, W., et al. J. Biol. Chem. 284(17):11622-11636(2009)Huett, A., et al. J. Immunol. 182(8):4917-4930(2009)Leung, Y., et al. Cell Host Microbe 3(1):39-47(2008)