

FNBP1L Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP16582c

Product Information

Application	WB, E
Primary Accession	Q5TON5
Other Accession	Q2HWF0 , Q8K012 , NP_001157945.1 , NP_001020119.1
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB35111
Calculated MW	70065
Antigen Region	349-377

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
Target/Specificity	This FNBP1L antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 349-377 amino acids from the Central region of human FNBP1L.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	FNBP1L Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

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

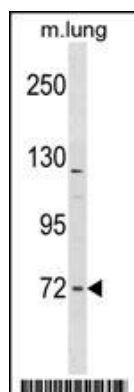
Background

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

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)

Images



FNBP1L Antibody (Center) (Cat. #AP16582c) western blot analysis in mouse lung tissue lysates (35ug/lane). This demonstrates the FNBP1L antibody detected the FNBP1L protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.