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FNBP1L Rabbit pAb

Catalog # AP97873

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q5T0N5
Other Accession	Q5T0N5
Reactivity	Human
Predicted	Rat, Pig, Mouse, Rabbit, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	70065
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FNBP1L/TOCA1
Epitope Specificity	101-200/605
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the FNBP1 family. Contains 1 FCH domain. Contains 1 REM (Hr1) repeat. Contains 1 SH3 domain.
SUBUNIT	Homodimerizes, the dimers can polymerize end-to-end to form filamentous structures (By similarity). Interacts with GTP-bound CDC42. Interacts with DAAM1, DIAPH1, DIAPH2, DNM1, DNM2 and WASL/N-WASP. Interacts with ATG3.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	54874
Other Names	C1orf39; TOCA1; 2610318I01Rik; toca-1; RGD1305386; FBP1L_HUMAN; FNBP1L; Transducer of Cdc42-dependent actin assembly protein 1 (Toca-1); FBP1L_MOUSE; FBP1L_RAT; formin binding protein 1 like; chromosome 1 open reading frame 39; formin binding protein 1-like
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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

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