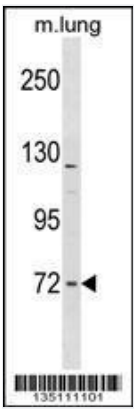
FNBP1L Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FNBP1L, Polyclonal Antibody
Full Product Name	FNBP1L, ID (FNBP1L, C1orf39, TOCA1, Formin-binding protein 1-like, Transducer of Cdc42-dependent actin assembly protein 1)
Product Gene Name	anti-FNBP1L antibody
Product Synonym Names	Anti -FNBP1L, ID (FNBP1L, C1orf39, TOCA1, Formin-binding protein 1-like, Transducer of Cdc42-dependent actin assembly protein 1)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Human, mouse
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	69,977 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (93913688..94020218). Location: 1p22.1
OMIM	608848
3D Structure	ModBase 3D Structure for Q5T0N5
Immunogen	FNBP1L antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 348-377 amino acids from the Central region of human FNBP1L.
Product Categories/Family for anti-FNBP1L antibody	Antibodies; Abs to Actin Related Proteins
Applications Tested/Suitable for anti-FNBP1L antibody	ELISA (EL/EIA), Western Blot (WB)
Application Notes for anti-FNBP1L antibody	Suitable for use in Western Blot, ELISA Dilution: ELISA: 1:1,000 Western Blot: 1:100-500
Related Product Information for anti-FNBP1L antibody	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.
Other Notes	Small volumes of anti-FNBP1L antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for FNBP1L purchase	MBS6006069 is an antibody targeting FNBP1L. Also known as FNBP1L, ID (FNBP1L, C1orf39, TOCA1, Formin-binding protein 1-like, Transducer of Cdc42-dependent actin assembly protein 1). Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-FNBP1L antibody
FNBP1L Antibody (Center) western blot analysis in mouse lung tissue lysates (35ug/lane).This demonstrates the FNBP1L antibody detected the FNBP1L protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FNBP1L. It may not necessarily be applicable to this product.

NCBI GI #	256600192
NCBI GeneID	54874
NCBI Accession #	NP_001157945.1
UniProt Primary Accession #	Q5T0N5
UniProt Secondary Accession #	Q5T0N6; Q6B097; Q6P653; Q6R4Q4; Q9NXG1
UniProt Related Accession #	Q5T0N5
GenBank Nucleotide #	NM_001164473.2
NCBI Official Full Name	formin-binding protein 1-like isoform 3
NCBI Official Synonym Full Names	formin binding protein 1-like
NCBI Official Symbol	FNBP1L
NCBI Official Synonym Symbols	TOCA1; C1orf39
UniProt Protein Name	Formin-binding protein 1-like
UniProt Synonym Protein Names	Transducer of Cdc42-dependent actin assembly protein 1
Protein Family	Formin-binding protein
UniProt Gene Name	FNBP1L
UniProt Synonym Gene Names	C1orf39; TOCA1; Toca-1
UniProt Entry Name	FBP1L_HUMAN
NCBI Protein Information	formin-binding protein 1-like; toca-1; transducer of Cdc42-dependent actin assembly 1; transducer of Cdc42-dependent actin assembly protein 1

UniProt Comments for FNBP1L	FNBP1L: 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. Belongs to the FNBP1 family. 5 isoforms of the human protein are produced by alternative splicing. Protein type: Adaptor/scaffold Chromosomal Location of Human Ortholog: 1p22.1 Cellular Component: cytoskeleton; cytoplasmic membrane-bound vesicle; cytoplasm; plasma membrane; cell cortex Molecular Function: protein binding; lipid binding Biological Process: positive regulation of filopodium formation; vesicle transport along actin filament; vesicle organization and biogenesis; membrane invagination; autophagy; cilium biogenesis; membrane budding
Research Articles on FNBP1L	**1.** findings suggest that Toca-1 functions at an early step in the dissemination of metastatic breast tumor cells; taken together, results identify Toca-1 as a proinvasive protein in breast adenocarcinoma
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