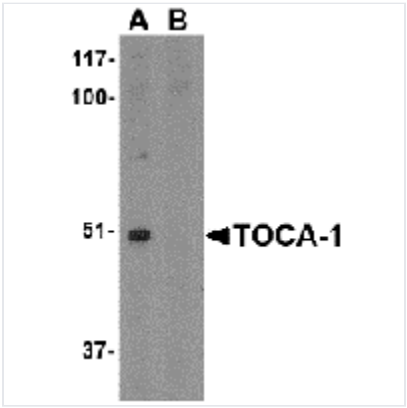
TOCA-1 Blocking Peptide

PRODUCT OVERVIEW

Product Name	TOCA-1 (FNBP1L), Blocking Peptide
Full Product Name	TOCA-1 Peptide
Product Gene Name	FNBP1L blocking peptide
Product Synonym Names	TOCA1; C1orf39; TOCA1; Formin-binding protein 1-like; Transducer of Cdc42-dependent actin assembly protein 1; Toca-1; formin binding protein 1-like
Form/Format	Liquid
Concentration	200 ug/mL (lot specific)
Preparation and Storage	Store TOCA-1 peptide at -20 degree C, stable for one year.
Antibody/Peptide Pairs	TOCA-1 peptide (MBS152578) is used for blocking the activity of TOCA-1 antibody (MBS150174)
Molecular Weight	69,894 Da
OMIM	608848
Species	Human
Buffer	PBS pH 7.2 (10 mM NaH2PO4, 10 mM Na2HPO4, 130 mM NaCl) containing 0.1% bovine serum albumin and 0.02% sodium azide
Location	17 amino acids near the carboxy terminus of human TOCA-1.
Applications Tested/Suitable for FNBP1L blocking peptide	Blocking (BL)
Application Notes for FNBP1L blocking peptide	TOCA-1 peptide is used for blocking the activity of TOCA-1 antibody.
Related Product Information for FNBP1L blocking peptide	MBS152578 is a blocking peptide targeting FNBP1L. Also known as TOCA-1 Peptide.
Other Notes	Small volumes of FNBP1L blocking peptide 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.



Western Blot (WB) of FNBP1L blocking peptide
Western blot analysis of TOCA-1 in mouse brain tissue lysate with in (A) the absence and (B) the presence of blocking peptide. with TOCA-1 antibody at 1 ?g/mL.

ADDITIONAL DETAILS

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

NCBI GI #	68348709
NCBI GeneID	54874
NCBI Accession #	NP_001020119
UniProt Primary Accession #	Q5T0N5
UniProt Secondary Accession #	Q5T0N6; Q6B097; Q6P653; Q6R4Q4; Q9NXG1; J3QSS4
UniProt Related Accession #	Q5T0N5
GenBank Nucleotide #	NM_001024948.2
NCBI Official Full Name	formin-binding protein 1-like isoform 1
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; Toca-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
NCBI Summary for FNBP1L	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]
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; cytoplasm; cytoplasmic membrane-bound vesicle; 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.** GWAS results show that the aggregate effects of common SNPs explain 22-46% of phenotypic variation in childhood intelligence in the three largest cohorts; FNBP1L was also significantly associated with childhood intelligence

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