



Rabbit Anti-FNBP1L antibody

SL11841R

Product Name:	FNBP1L
Chinese Name:	FNBP1L蛋白抗体
Alias:	C1orf39; FBP1L_HUMAN; FNBP 1L; fbnp1l; Formin binding protein 1 like; Formin-binding protein 1-like; TOCA 1; Toca-1; TOCA1; Transducer of Cdc42 dependent actin assembly 1 ; Transducer of Cdc42 dependent actin assembly protein 1; Transducer of Cdc42-dependent actin assembly protein 1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	70kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human FNBP1L/TOCA1:101-200/605
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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]

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.

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.

Subcellular Location:

Cytoplasm. Cytoplasm, cytoskeleton (By similarity). Cytoplasm, cell cortex (By similarity). Cytoplasmic vesicle (By similarity). Cell membrane; Peripheral membrane protein; Cytoplasmic side

Similarity:

Belongs to the FNBP1 family.
Contains 1 FCH domain.
Contains 1 REM (Hr1) repeat.
Contains 1 SH3 domain.

SWISS:

Q5T0N5

Gene ID:

54874

Database links:

[Entrez Gene: 54874](#) Human

[Entrez Gene: 214459](#) Mouse

[Entrez Gene: 310839](#) Rat

[Omim: 608848](#) Human

[SwissProt: Q5T0N5](#) Human

[SwissProt: Q8K012](#) Mouse

[SwissProt: Q2HWF0](#) Rat

[Unigene: 726017](#) Human

[Unigene: 209491](#) Mouse

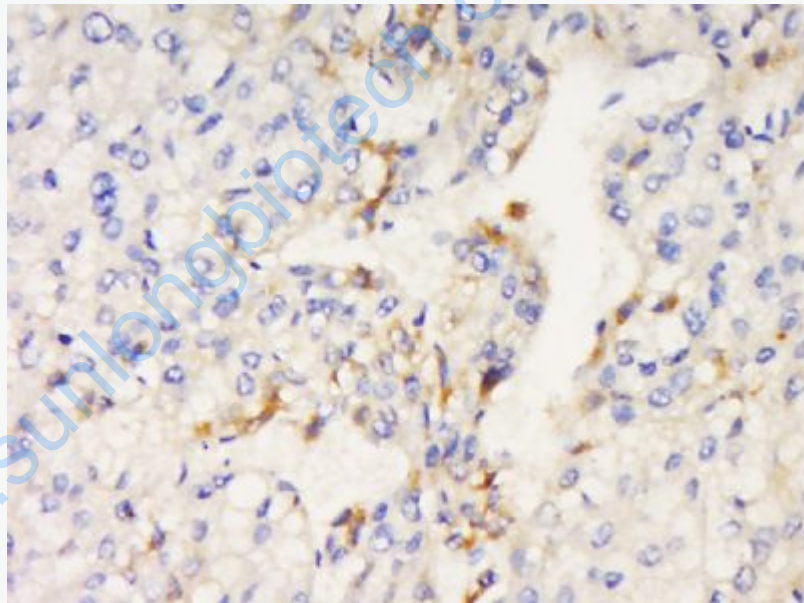
[Unigene: 470230](#) Mouse

[Unigene: 213503](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Tissue/cell: human liver cancer; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-FNBP1L Polyclonal Antibody, Unconjugated(SL11841R) 1:500,

	overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining
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