

**FNBP1L Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP16582c****Specification**

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**FNBP1L Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q5TON5</a>
Other Accession	<a href="#">Q2HWF0</a> , <a href="#">Q8K012</a> , <a href="#">NP_001157945.1</a> , <a href="#">NP_001020119.1</a>
Reactivity	Human, Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	349-377

**FNBP1L Antibody (Center) - 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.

**FNBP1L Antibody (Center) - 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.

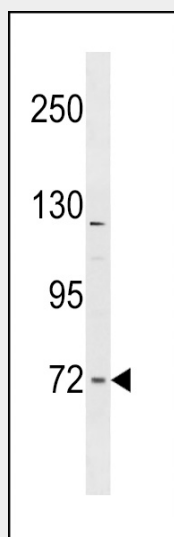
**Cellular Location**

Cytoplasm. Cytoplasm, cytoskeleton. Cytoplasm, cell cortex. Cytoplasmic vesicle. Cell membrane; Peripheral membrane protein; Cytoplasmic side

**FNBP1L Antibody (Center) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**FNBP1L Antibody (Center) - 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).

**FNBP1L Antibody (Center) - 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.

#### **FNBP1L Antibody (Center) - 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)