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Datasheet for ABIN501004  
**anti-FNBP1L antibody (N-Term)**

2 Images

### Overview

Quantity:	0.1 mg
Target:	FNBP1L
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FNBP1L antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

### Product Details

Immunogen:	TOCA-1 antibody was raised against a 15 amino acid peptide near the amino terminus of the human TOCA-1.
Isotype:	IgG
Specificity:	This antibody detects FNBP1L at N-term.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat
Purification:	Peptide affinity chromatography

### Target Details

Target:	FNBP1L
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## Target Details

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Alternative Name: [FNBP1L \(FNBP1L Products\)](#)

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Background: Actin reorganization is important for the regulation of neuronal morphology. A protein involved in this process, the transducer of cdc42-dependent actin assembly 1 (TOCA-1) protein, a member of the evolutionarily conserved pombe CDC15 homology (PCH) protein family, is an essential component of the Cdc42 pathway. TOCA-1 binds both N-WASP and Cdc42 and is essential for Cdc42- and PIP2-induced actin polymerization, suggesting that TOCA-1 mediates Cdc42-dependent actin nucleation by activating the N-WASP-WIP complex. Decreased expression of TOCA-1 significantly enhances neurite elongation in PC-12 cells, its overexpression in the same cells suppresses neurite elongation. It has been suggested that TOCA-1 negatively regulates axon branching by regulating membrane trafficking by regulating membrane trafficking through the F-BAR/EFC domain. Multiple isoforms of TOCA-1 are known to exist. Synonyms: C1orf39, Formin-binding protein 1-like, TOCA1, Transducer of Cdc42-dependent actin assembly protein 1

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Gene ID: 54874

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NCBI Accession: [NP\\_001020119](#)

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## Application Details

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Application Notes: ELISA. Western blot: 0.5 - 2 µg/mL. Immunohistochemistry on paraffin sections.  
Other applications not tested.  
Optimal dilutions are dependent on conditions and should be determined by the user.

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Restrictions: For Research Use only

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## Handling

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Buffer: PBS containing 0.02 % sodium azide

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Preservative: Sodium azide

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Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Handling Advice: Avoid repeated freezing and thawing.

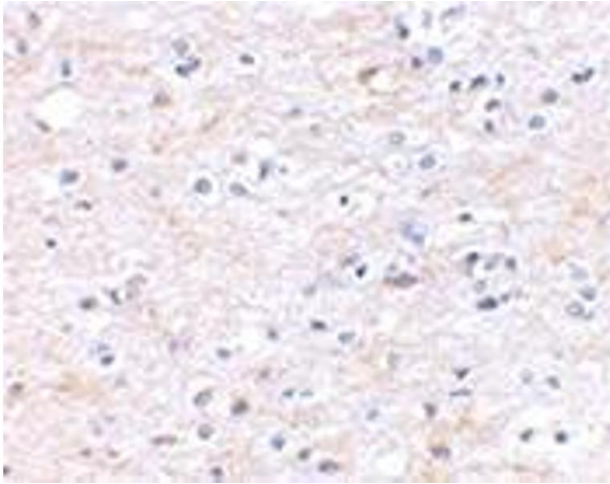
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Storage: 4 °C/-20 °C

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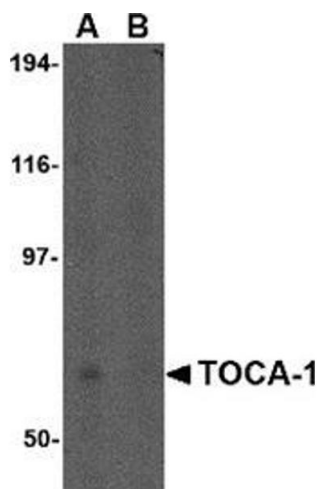
Storage Comment: Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.

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### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemical staining of human brain tissue using AP30926PU-N at 2.5 µg/ml.



### Western Blotting

**Image 2.** Western blot analysis of TOCA-1 in human brain tissue lysate in (A) the absence and (B) the presence of blocking peptide with this product at 0.5 µg/ml.