

## Anti-TOCA-1 FNBP1L Antibody

Catalog Number: A06125

### About FNBP1L

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.

### Overview

Product Name	Anti-TOCA-1 FNBP1L Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-TOCA-1 FNBP1L Antibody (Catalog # A06125). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	TOCA-1 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	TOCA-1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q5T0N5

### Technical Details

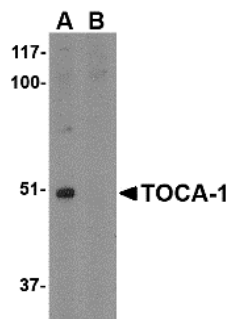
Immunogen	TOCA-1 antibody was raised against a 17 amino acid synthetic peptide near the carboxy terminus of the human TOCA-1. The immunogen is located within the last 50 amino acids of TOCA-1.
Predicted Reactive Species	Mouse, Rat
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	TOCA-1 Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

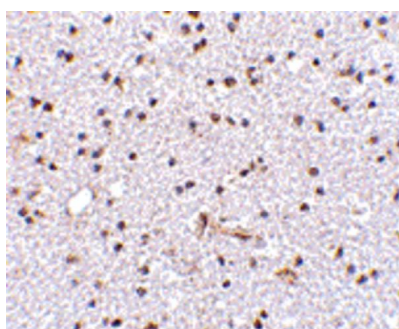
TOCA-1 antibody can be used for detection of TOCA-1 by Western blot at 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL.

Antibody validated: Western Blot in mouse samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

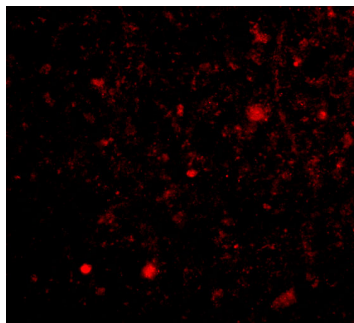
## Anti-TOCA-1 FNBP1L Antibody (A06125) Images



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 ug/mL.



Immunohistochemistry of TOCA-1 in human brain tissue with TOCA-1 antibody at 2.5 ug/mL.



Immunofluorescence of TOCA-1 in Human Brain cells with TOCA-1 antibody at 20 ug/mL.

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