BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

# 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.

## Submit a product review to Biocompare.com




Submit a review of this product to Biocompare.com to receive a $20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.

## 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 ≤0.09% sodium azide. |
| Storage Instructions | TOCA-1 antibody can be stored at 4°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

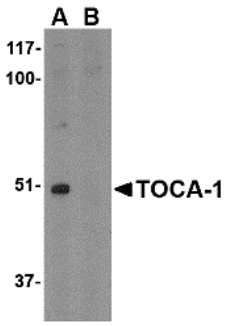
| | |
|---|---|
| Immunogen | TOCA-1 antibody was raised against a 17 amino acid synthetic peptide near the carboxy terminus of the human TOCA-1. The immunogen is located within the last 50 amino acids of TOCA-1. |

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

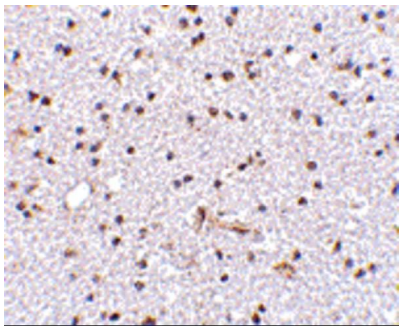
| | |
|---|---|
| Predicted Reactive Species | Mouse, Rat |
| Isotype | IgG |
| Form | Liquid |
| Concentration | 1 mg/mL |
| Purification | TOCA-1 Antibody is affinity chromatography purified via peptide column. |
| Suggested Dilutions | TOCA-1 antibody can be used for detection of TOCA-1 by Western 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.<br>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. |

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

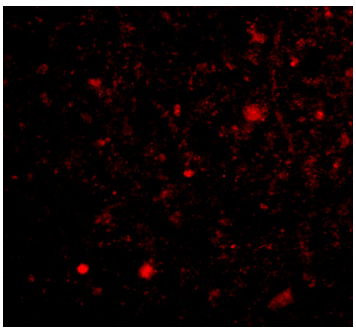
# Anti-TOCA-1 FNBP1L Antibody (A06125) Images




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.

Anti-TOCA-1 FNBP1L Antibody

For Research Use Only. Not for use in diagnostic procedures.