

## Product datasheet for **TA306491**

### **FNBP1L Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 0.5 ug/mL, ICC: 2.5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	TOCA-1 antibody was raised against a 15 amino acid peptide near the amino terminus of the human TOCA-1.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	formin binding protein 1 like
Database Link:	<a href="#">NP_001020119</a> <a href="#">Entrez Gene 214459 Mouse</a> <a href="#">Entrez Gene 310839 Rat</a> <a href="#">Entrez Gene 54874 Human</a> <a href="#">Q5TON5</a>



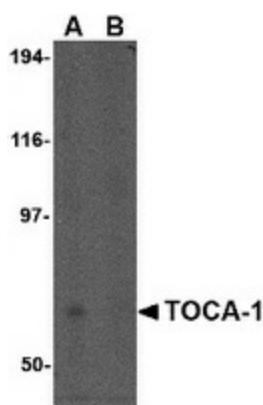
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**Background:**

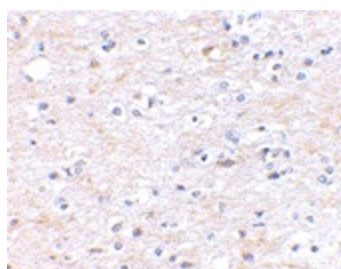
Actin reorganization is important for the regulation of neuronal morphology. A protein involved in this process, the transducer of cdc42-dependent actin assembly 1 (TOCA-1) protein, a member of the evolutionarily conserved pombe CDC15 homology (PCH) protein family, is an essential component of the Cdc42 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:**

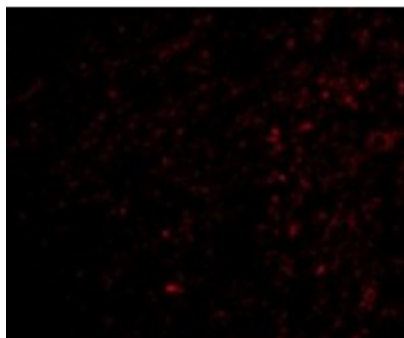
C1orf39; TOCA1

**Product images:**


Western blot analysis of TOCA-1 in human brain tissue lysate in (A) the absence and (B) the presence of blocking peptide with TOCA-1 antibody at 0.5 ug/ml.



Immunohistochemical staining of human brain tissue using TOCA-1 antibody at 2.5 ug/ml.



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