

Product datasheet for **TA319724**

TCTP (TPT1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 0.5 - 1 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Rabbit polyclonal TPT1 antibody was raised against a 19 amino acid peptide near the center of human TPT1.
Formulation:	TPT1 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	TPT1 Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	19 kDa
Gene Name:	tumor protein, translationally-controlled 1
Database Link:	NP_003286 Entrez Gene 22070 MouseEntrez Gene 116646 RatEntrez Gene 7178 Human P13693

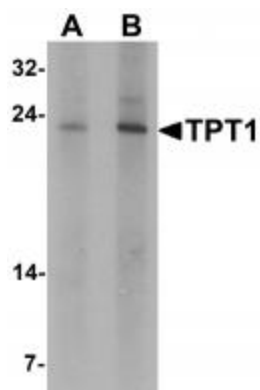
Background: TPT1 Antibody: TPT1 (translationally controlled tumor protein 1) is a 23 kDa member of the TCTP family of calcium binding proteins. TPT1 is localized in the cytoplasm and widely expressed and serves as a transcriptional activator, calcium transporter, histamine inducer and antiapoptotic caspase 3 inhibitor. TPT1 is a cytokine-like molecule that causes the release of histamine, IL-4 and IL-13 from basophils as well as the secretion of IL-8 and a calcium response in eosinophils. TPT1 plays a pivotal role in allergic diseases and due to its wide distribution in brain, is thought to be involved in neurodegenerative disorders, such as Alzheimer's disease and Down syndrome.



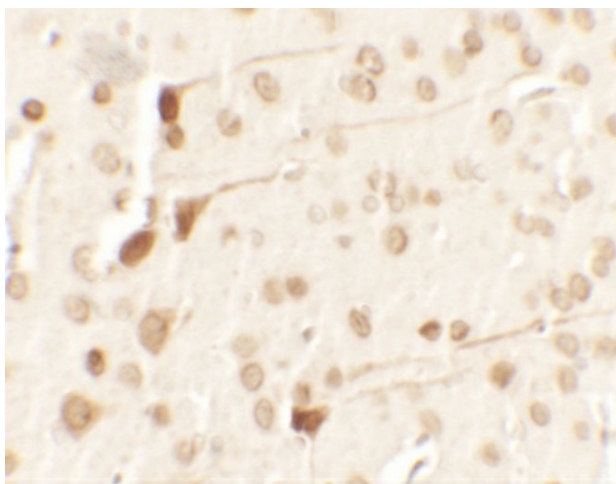
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Synonyms: HRF; p02; p23; TCTP

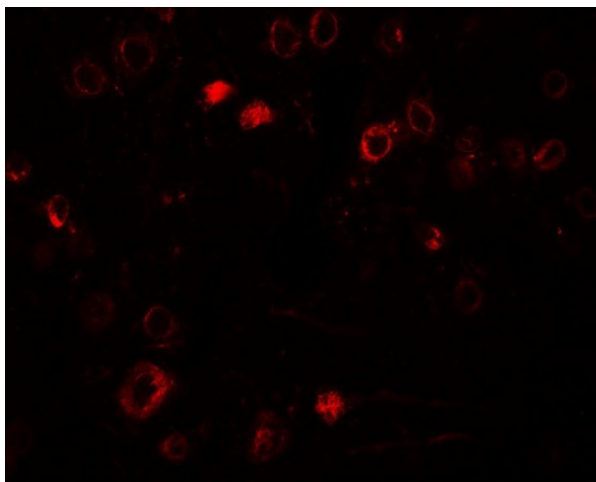
Product images:



Western blot analysis of TPT1 in human brain tissue lysate with TPT1 antibody at (A) 0.5 and (B) 1 ug/mL.



Immunohistochemistry of TPT1 in rat brain tissue with TPT1 antibody at 2.5 ug/mL.



Immunofluorescence of TPT1 in rat brain tissue with TPT1 antibody at 20 ug/mL.