

Polyclonal Antibody to Tectonic-3 (C-term) - Aff - Purified

Alternate names: C10orf61, TCTN3, TECT3

Catalog No.: TA319883

Quantity: 0.1 mg

Concentration: 1.0 mg/ml

Background: TCTN3 is a member of the Tectonic protein family, a group of evolutionarily conserved secreted and transmembrane proteins that regulate the Hedgehog (Hh)-mediated patterning of the neural tube. While the expression pattern and function of TCTN3 is not known, it is 58% similar to TCTN1. TCTN1 is expressed during embryonic development in regions that participate in Hh signaling, beginning in the gastrulation stages in the ventral node. Mice expressing mutant TCTN1 die between E13.5 and E16.5 and display holoprosencephaly, a defect associated with reduced Hh signaling, indicating the role of TCTN1 as an Hh activator. At later stages in development, TCTN1 is thought to also act as a repressor on the Hh pathway in the anterior and posterior neural tube.

Uniprot ID: [Q6NUS6](#)

NCBI: [NP_056446](#)

GeneID: [26123](#)

Host: Rabbit

Immunogen: 17 amino acid peptide near the carboxy terminus of human TCTN3

Format: **State:** Liquid Ig fraction

Purification: Affinity chromatography purified via peptide column

Buffer System: PBS containing 0.02% sodium azide

Applications: ELISA.

Western blot: 1 - 2 µg/ml.

Immunohistochemistry on paraffin sections.

Positive control: SK-N-SH Cell Lysate.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Species Reactivity: **Tested:** Human, mouse, rat

Storage: Store the antibody (in aliquots) at -20°C.

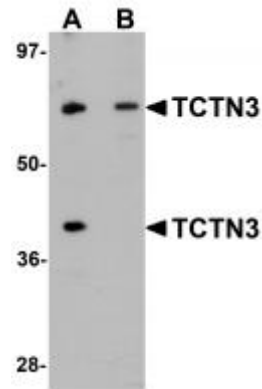
Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

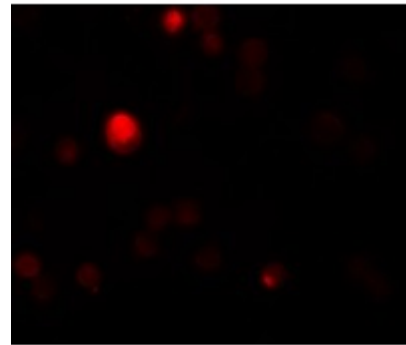
General Readings: 1. Reiter JF, Skarnes WC. Tectonic, a novel regulator of the Hedgehog pathway required for both activation and inhibition. *Genes Dev.* 2006 Jan 1;20(1):22-7. Epub 2005 Dec 15. PubMed PMID: 16357211.

Pictures:

Western blot analysis of TCTN3 in HeLa cell lysate with TCTN3 antibody at (A) 1 and (B) 2ug/mL.



Immunofluorescence of TCTN3 in HeLa cells with TCTN3 antibody at 20 ug/mL.



Immunocytochemistry of TCTN3 in HeLa cells with TCTN3 antibody at 4 ug/mL.

