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TA319883 OriGene EU

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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:	<u>NP_056446</u>
GenelD:	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.

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.



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Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com

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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.



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