



Datasheet for ABIN783637
anti-TCTN1 antibody (N-Term)



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3 Images

Overview

Quantity:	0.1 mg
Target:	TCTN1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TCTN1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	15 amino acid peptide near the amino terminus of human TCTN1
Specificity:	This antibody detects TCTN1 . It is predicted to not cross-react with other TCTN members. Multiple isoforms are known to exist, this antibody recognizes isoforms 1 - 3.
Cross-Reactivity (Details):	Species reactivity (tested):Human, Mouse
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	TCTN1
Alternative Name:	Tectonic-1 (TCTN1 Products)
Background:	TCTN1 is the founding member of the Tectonic protein family, a group of evolutionarily

Target Details

conserved secreted and transmembrane proteins that regulate the Hedgehog (Hh)-mediated patterning of the neural tube. During embryonic development, TCTN1 is expressed 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. Synonyms: TCTN1, TECT1

Gene ID: 79600

NCBI Accession: [NP_001076006](#)

UniProt: [Q2MV58](#)

Pathways: [Tube Formation](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: PBS containing 0.02 % sodium azide

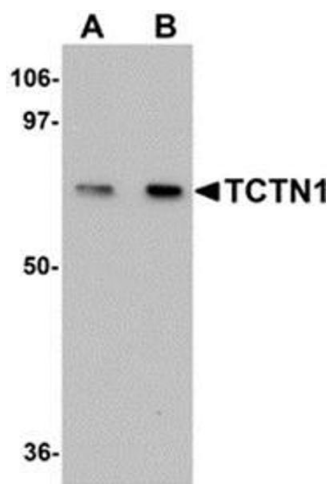
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

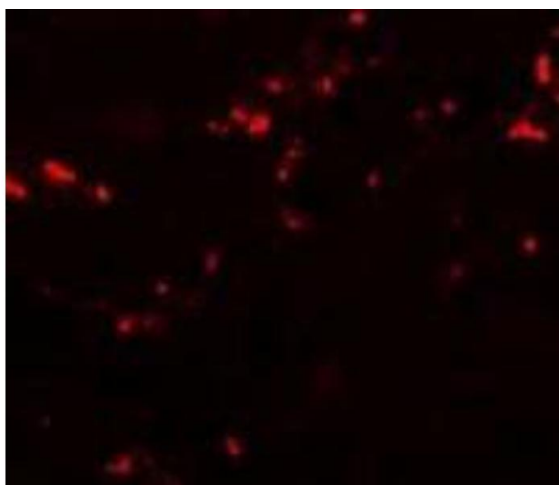
Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



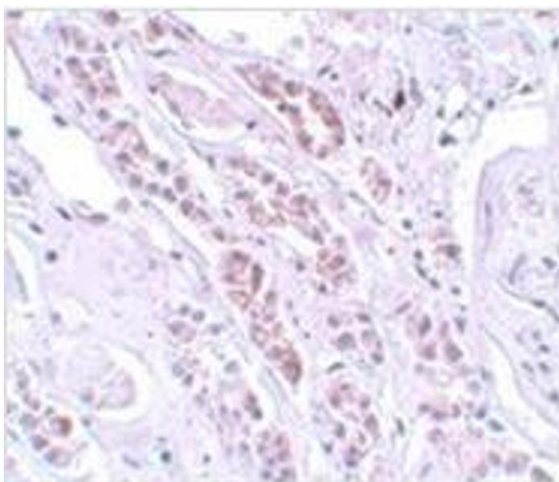
Western Blotting

Image 1. Western blot analysis of TCTN1 in mouse kidney tissue lysate with TCTN1 antibody at (A) 1 and (B) 2 µg/ml.



Immunofluorescence

Image 2. Immunofluorescence of TCNT1 in human kidney cells with Tectonic-1 Antibody (N-term) at 20 µg/ml.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of TCTN1 in human kidney tissue with TCTN1 antibody at 5 µg/ml.