

Datasheet for ABIN6991369  
**anti-TCTN1 antibody (N-Term)**



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## Overview

|                      |                                                                                                                    |
|----------------------|--------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 0.1 mg                                                                                                             |
| Target:              | TCTN1                                                                                                              |
| Binding Specificity: | AA 30-80, N-Term                                                                                                   |
| Reactivity:          | Human, Mouse                                                                                                       |
| Host:                | Rabbit                                                                                                             |
| Clonality:           | Polyclonal                                                                                                         |
| Conjugate:           | This TCTN1 antibody is un-conjugated                                                                               |
| Application:         | Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

|               |                                                                                                                                                                           |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:    | TCTN1 antibody was raised against a 15 amino acid synthetic peptide near the amino terminus of human TCTN1. The immunogen is located within amino acids 30 - 80 of TCTN1. |
| Isotype:      | IgG                                                                                                                                                                       |
| Purification: | TCTN1 Antibody is affinity chromatography purified via peptide column.                                                                                                    |

## Target Details

|                   |                                                                                                                                                                                 |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | TCTN1                                                                                                                                                                           |
| Alternative Name: | TCTN1 ( <a href="#">TCTN1 Products</a> )                                                                                                                                        |
| Background:       | TCTN1 Antibody: TCTN1 is the founding member of the Tectonic protein family, a group of evolutionarily conserved secreted and transmembrane proteins that regulate the Hedgehog |

## Target Details

(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.

Gene ID: 79600

NCBI Accession: [NP\\_001076007](#)

UniProt: [Q2MV58](#)

Pathways: [Tube Formation](#)

## Application Details

Application Notes: TCTN1 antibody can be used for detection of TCTN1 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in mouse samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: TCTN1 Antibody is supplied in 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.

Storage: -20 °C, 4 °C

Storage Comment: TCTN1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.