

**TCTN2 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10207****Specification**

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**TCTN2 Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">Q3B7D3</a> |
| Reactivity        | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Isotype           | Rabbit IgG             |
| Calculated MW     | 77301                  |

**TCTN2 Antibody - Additional Information****Gene ID** 689779

|                     |  |
|---------------------|--|
| Positive Control    | Jurkat cell lysate   |
| Application & Usage | Western Blot analysis (0.5-4 µg/ml).<br>However, the optimal concentrations<br>should be determined individually.<br>Blocking peptide is available separately. |

**Other Names**

Tectonic-2

**Target/Specificity**

TCTN2

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

100 µg (0.5 mg/ml) affinity purified rabbit anti- TCTN2 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.01% thimerosal

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

TCTN2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## **TCTN2 Antibody - Protein Information**

**Name** Tctn2

**Synonyms** Tect2

### **Function**

Component of the tectonic-like complex, a complex localized at the transition zone of primary cilia and acting as a barrier that prevents diffusion of transmembrane proteins between the cilia and plasma membranes. Required for hedgehog signaling transduction (By similarity).

### **Cellular Location**

Membrane; Single-pass type I membrane protein. Cytoplasm, cytoskeleton, cilium basal body.

Note=Localizes at the transition zone, a region between the basal body and the ciliary axoneme.

## **TCTN2 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **TCTN2 Antibody - Images**

## **TCTN2 Antibody - Background**

TCTN2 is a member of the Tectonic protein family. Tectonic proteins are transmembrane proteins that regulate the Hedgehog (Hh)-signaling pathway. Defects in TCTN2 can lead to Meckel syndrome type 8. This disorder is characterized by a combination of renal cysts and variable associated features which includes developmental anomalies of the central nervous system, hepatic ductal dysplasia and cysts, and polydactyly.