10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

TCTN2 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10207

Specification

TCTN2 Antibody - Product Information

Application	**WB**
Primary Accession	Q3B7D3
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). However, the optimal concentrations should be determined individually. 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.

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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 Cytomety
- 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.