

TCTN1 Antibody

Catalog No: #25148

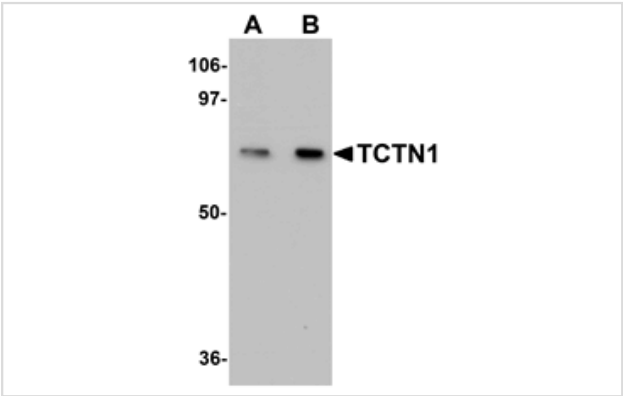


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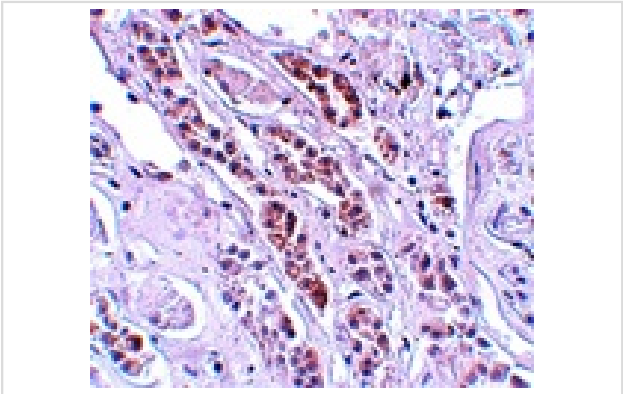
Description

Product Name	TCTN1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms
Immunogen Type	Peptide
Immunogen Description	Raised against a 15 amino acid peptide near the amino terminus of human TCTN1.
Target Name	TCTN1
Other Names	Tectonic family member 1, TECT1
Accession No.	Swiss-Prot:Q2MV58Gene ID:79600
Uniprot	Q2MV58
GeneID	79600;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for 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.

Images



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



Immunohistochemistry of TCTN1 in human kidney tissue with TCTN1 antibody at 5 ug/mL.

Background

TCTN1 is the founding 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. 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.

Note: This product is for in vitro research use only