

For Research Use Only

TCTN2 Polyclonal antibody

Catalog Number: 17053-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number:

17053-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10725

GenBank Accession Number:

BC009112

GeneID (NCBI):

79867

UNIPROT ID:

Q96GX1

Full Name:

tectonic family member 2

Calculated MW:

697 aa, 77 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:50-1:500

Applications

Tested Applications:

IHC, ELISA

Cited Applications:

IF, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : human colon cancer tissue, human liver cancer tissue

Background Information

TCTN2 (tectonic-2 or TECT2) is a type I membrane protein that belongs to the tectonic family, which consists of TCTN1, TCTN2 and TCTN3. Studies in mice suggest that tectonic may be involved in Hedgehog (Hh) signaling, and essential for ciliogenesis. Tectonic is 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. It exists two splicing isoforms. The first aberrant transcript introduces 104 base pair from intron 13 and would delete 196 original amino acid, introduce two novel amino acids, and prematurely truncate the 697aa protein at residue number 504. The second transcript lacks exon 14 and would delete 195 original amino acids, introduce four novel amino acids, and prematurely truncate the 697 aa protein at residue number 507. The molecular weight of two isoforms are about 50kDa. We detected the 50kDa and 90kDa protein by immunoprecipitation, but 50kDa protein may be the splicing isoform or non-specific band.

Notable Publications

Author	Pubmed ID	Journal	Application
Abhishek Chadha	34301828	J Neurosci	IF
Hai-Qing Tu	30538248	Nat Commun	
Chien-Hui Lo	31455668	J Cell Biol	IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

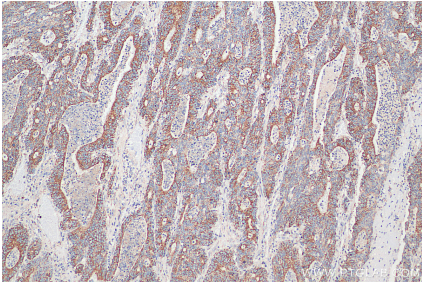
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 17053-1-AP (TCTN2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).