

For Research Use Only

TCTN3 Polyclonal antibody

Catalog Number: 16085-1-AP

3 Publications



Basic Information

Catalog Number:

16085-1-AP

Size:

300 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9084

GenBank Accession Number:

BC009494

GeneID (NCBI):

26123

UNIPROT ID:

Q6NUS6

Full Name:

tectonic family member 3

Calculated MW:

607 aa, 66 kDa

Observed MW:

66 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IF

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:

WB : HEK-293 cells, mouse embryo tissue, mouse liver tissue, rat liver tissue

IHC : human lung tissue,

Background Information

TCTN3 (tectonic-3 or TECT3) 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. TCTN3 is necessary for transduction of the sonic hedgehog (SHH) signaling pathway. Orofaciodigital syndromes (OFDSs) consist of a group of heterogeneous disorders characterized by abnormalities in the oral cavity, face, and digits and associated phenotypic abnormalities. Recently, TCTN3 mutations are found as the cause of an extreme form of OFD associated with bone dysplasia, tibial defect, cystic kidneys, and brain anomalies.

Notable Publications

Author	Pubmed ID	Journal	Application
Antonia Wiegner	29650680	EMBO J	IF
Manu Ahmed	39282264	bioRxiv	WB
Garcia-Gonzalo Francesc R FR	21725307	Nat Genet	WB,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:

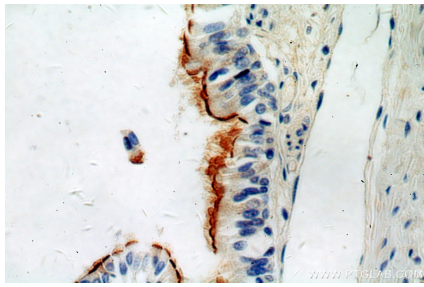
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human lung using 16085-1-AP (TCTN3 antibody) at dilution of 1:50 (under 40x lens).



Various lysates were subjected to SDS PAGE followed by western blot with 16085-1-AP (TCTN3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.