

For Research Use Only

TCTN3 Polyclonal antibody, PBS Only

Catalog Number: 16085-1-PBS



Basic Information

Catalog Number:

16085-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

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

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

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.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

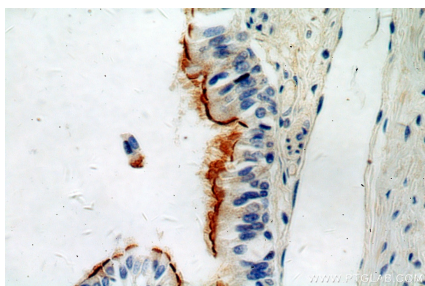
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

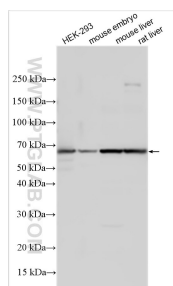
E: proteintech@ptglab.com
W: ptglab.com

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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). This data was developed using the same antibody clone with 16085-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 16085-1-PBS in a different storage buffer formulation.