

For Research Use Only

CoraLite®594-conjugated TCTN1 Polyclonal antibody



Catalog Number:CL594-15004

Basic Information

Catalog Number: CL594-15004	GenBank Accession Number: BC062611	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 79600	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: tectonic family member 1	Excitation/Emission maxima wavelengths: 593 nm / 614 nm
Isotype: IgG	Calculated MW: 64 kDa	
Immunogen Catalog Number: AG6099	Observed MW: 55-64 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : human kidney tissue,
Species Specificity: human, mouse, rat	

Background Information

Tectonic-1, encoded by TCTN1 (TECT1) gene, belongs to the tectonic family of secreted and transmembrane proteins. Tectonic-1 is a 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. Multiple transcript variants encoding different isoforms have been found for this gene. Defects in TCTN1 are the cause of Joubert syndrome type 13 (JBTS13), a disorder presenting with cerebellar ataxia, oculomotor apraxia, hypotonia, neonatal breathing abnormalities and psychomotor delay. During neural tube development, mouse Tectonic is required for formation of the most ventral cell types and for full Hedgehog (Hh) pathway activation. Epistasis analyses reveal that Tectonic modulates Hh signal transduction downstream of Smoothened (Smo) and Rab23.

Storage

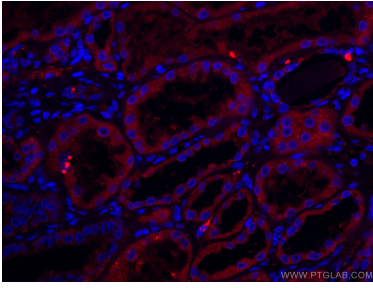
Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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



Immunofluorescent analysis of (4% PFA) fixed human kidney tissue using CoraLite® 594 TCTN1 antibody (CL594-15004) at dilution of 1:200.