

For Research Use Only

TCTN2 Recombinant antibody, PBS Only



Catalog Number: 82121-1-PBS

Basic Information

Catalog Number: 82121-1-PBS	GenBank Accession Number: BC009112	Purification Method: Protein A purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 79867	CloneNo.: 1E17
Source: Rabbit	UNIPROT ID: Q96GX1	
Isotype: IgG	Full Name: tectonic family member 2	
Immunogen Catalog Number: AG10725	Calculated MW: 697 aa, 77 kDa	
	Observed MW: 90 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
Human, rat

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.

Storage

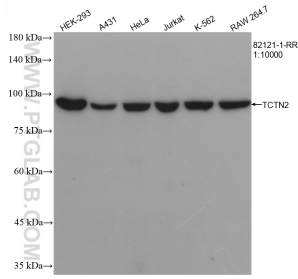
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

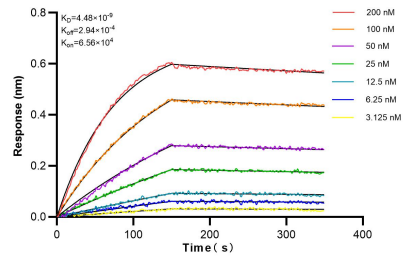
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82121-1-RR (TCTN2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82121-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 82121-1-RR against Human TCTN2 were performed. The affinity constant is 4.48 nM.