

For Research Use Only

TRNP1 Recombinant antibody

Catalog Number: 83410-3-RR



Basic Information

Catalog Number: 83410-3-RR	GenBank Accession Number: BC069216	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 388610	CloneNo.: 240331C6
Source: Rabbit	UNIPROT ID: Q6NT89	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: TMF1-regulated nuclear protein 1	
Immunogen Catalog Number: AG22504	Calculated MW: 227 aa, 23 kDa	
	Observed MW: 23-25 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls: WB : HeLa cells, HepG2 cells, MCF-7 cells, Jurkat cells, SH-SY5Y cells, rat heart tissue
Species Specificity: human, rat	

Background Information

TRNP1 (TMF-regulated nuclear protein 1), also called C1orf225, is a DNA-binding factor that regulates the expression of a subset of genes and plays a key role in tangential, radial, and lateral expansion of the brain neocortex (PMID: 27264089; 23622239; 36947129). It has been shown to exert potent roles in neural development affecting neural stem cell self-renewal and brain folding (PMID: 32627867). It may also control the proliferation rate of cells by regulating their progression through key cell-cycle transition points.

Storage

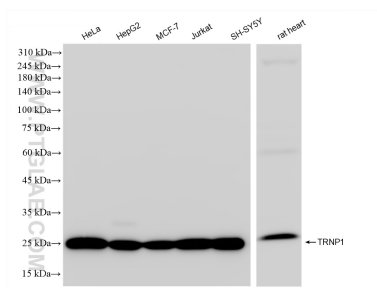
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

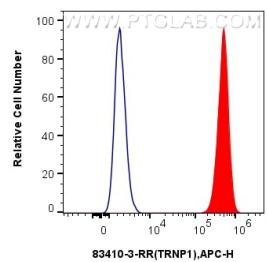
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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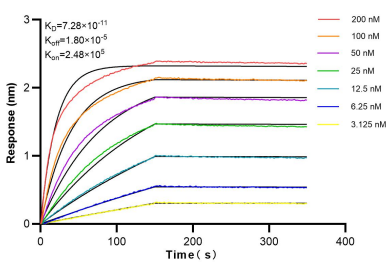
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83410-3-RR (TRNP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug TRNP1 Recombinant antibody (83410-3-RR, Clone:240331C6) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Biolayer interferometry (BLI) kinetic assays of 83410-3-RR against Human TRNP1 were performed. The affinity constant is 72.8 pM.