

For Research Use Only

TRNP1 Recombinant antibody

Catalog Number:83410-4-RR



Basic Information

Catalog Number: 83410-4-RR	GenBank Accession Number: BC069216	Purification Method: Protein A purification
Size: 1000 ug/ml	GeneID (NCBI): 388610	CloneNo.: 240331B6
Source: Rabbit	UNIPROT ID: Q6NT89	Recommended Dilutions: IF/ICC 1:125-1:500
Isotype: IgG	Full Name: TMF1-regulated nuclear protein 1	
Immunogen Catalog Number: AG22504	Calculated MW: 227 aa, 23 kDa	

Applications

Tested Applications: IF/ICC, ELISA	Positive Controls: IF/ICC : HeLa cells,
Species Specificity: human	

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

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

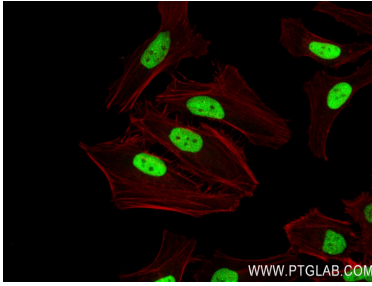
T: 4006900926

E: Proteintech-CN@ptglab.com

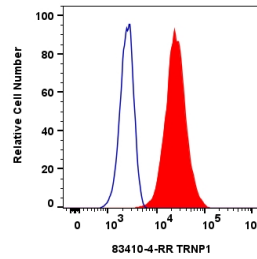
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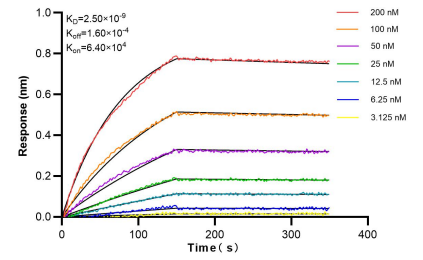
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using TRNP1 antibody (83410-4-RR, Clone: 240331B6) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1×10^6 HeLa cells were intracellularly stained with 0.25 μ g TRNP1 Recombinant antibody (83410-4-RR, Clone:240331B6) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 μ g Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Bi-layer interferometry (BLI) kinetic assays of 83410-4-RR against Human TRNP1 were performed. The affinity constant is 2.5 nM.