

For Research Use Only

TRNP1 Recombinant antibody, PBS Only

Catalog Number: 83410-4-PBS



Basic Information

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

Applications

Tested Applications:
IHC, IF/ICC, IF-P, ELISA

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

T: 4006900926

E: Proteintech-CN@ptglab.com

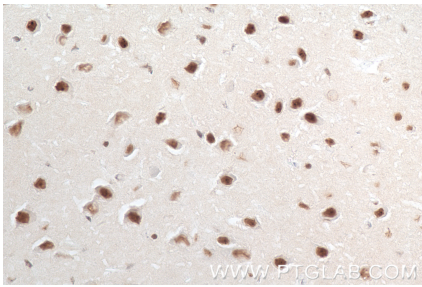
W: ptgcn.com

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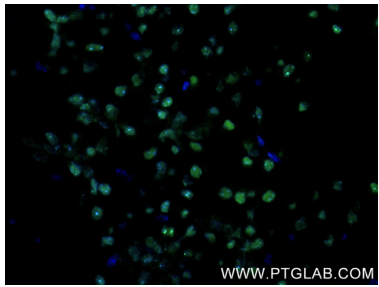
Selected Validation Data



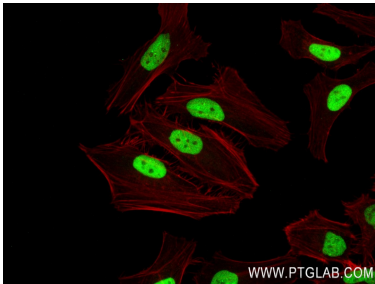
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 83410-4-RR (TRNP1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83410-4-PBS in a different storage buffer formulation.



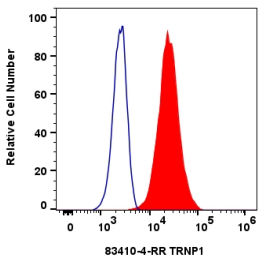
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 83410-4-RR (TRNP1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83410-4-PBS in a different storage buffer formulation.



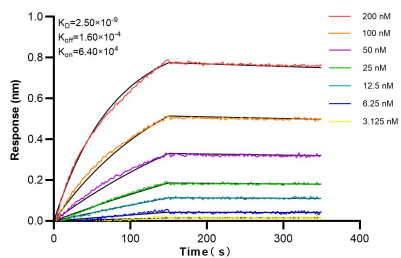
Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using TRNP1 antibody (83410-4-RR, Clone: 240331B6) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83410-4-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 83410-4-PBS in a different storage buffer formulation.



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug TRNP1 Recombinant antibody (83410-4-RR, Clone:240331B6) and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 83410-4-PBS in a



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