For Research Use Only

TRNP1 Recombinant antibody, PBS Only

Catalog Number:83410-4-PBS

Antibodies | ELISA kits | Proteins Uni-rAb www.ptglab.com

Catalog Number: GenBank Accession Number: **Purification Method: Basic Information** 83410-4-PBS BC069216 Protein A purfication GenelD (NCBI): CloneNo.: Size: 388610 240331B6 100ug , Concentration: 1 mg/ml by Nanodrop; UNIPROT ID: Q6NT89 Source: Rabbit Full Name: Isotype: TMF1-regulated nuclear protein 1 IgG Calculated MW: Immunogen Catalog Number: 227 aa, 23 kDa AG22504 **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. Storage Buffer: PBS Only

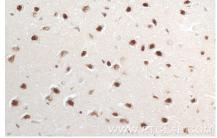
For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll freeE: proteintech@ptglab.comin USA), or 1(312) 455-8498 (outside USA)W: ptglab.com

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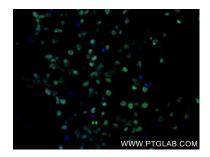
Selected Validation Data



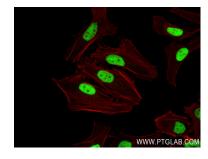
Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 83410-4-RR (TRNP1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83410-4-PBS in a different storage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



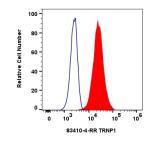
Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 83410-4-RR (TRNP1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83410-4-PBS in a different storage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



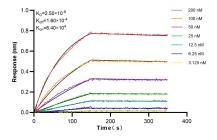
Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using TRNP1 antibody (83410-4-RR, Clone: 240331B6) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed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



1x10^6 HeLa cells were intracellularly stained with 0.25 ug TRNP1 Recombinant antibody (83410-4-RR, Clone:24033186) and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG(HsL) (SA00013-2)(red), or 0.25 ug Rabbit IgGIsotype 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



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