

For Research Use Only

# TRNP1 Recombinant antibody

Catalog Number: 83410-3-RR



## Basic Information

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

## Applications

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

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

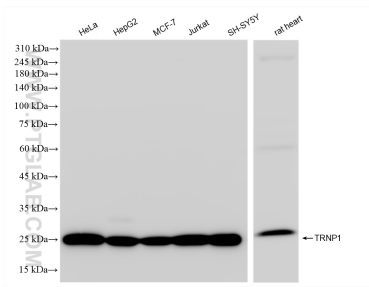
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

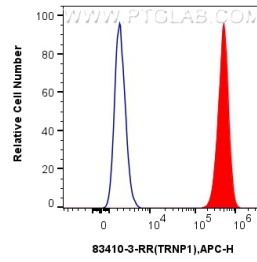
W: [ptgcn.com](http://ptgcn.com)

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

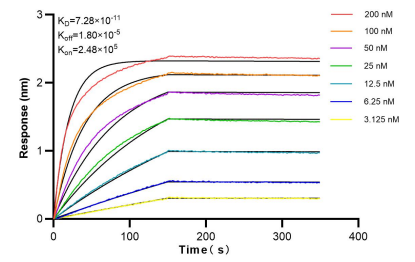
## Selected Validation Data



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



$1 \times 10^6$  HeLa cells were intracellularly stained with 0.25  $\mu$ g TRNP1 Recombinant antibody (83410-3-RR, Clone:240331C6) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25  $\mu$ g 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.