

For Research Use Only

TRIM46 Recombinant antibody

Catalog Number: 83614-2-RR



Basic Information

Catalog Number: 83614-2-RR	GenBank Accession Number: BC069416	Purification Method: Protein A purification
Size: 100ul, Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 80128	CloneNo.: 240557E1
Source: Rabbit	UNIPROT ID: Q7Z4K8	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:200-1:800 IF-P 1:50-1:500 IF/ICC 1:200-1:800
Isotype: IgG	Full Name: tripartite motif-containing 46	
Immunogen Catalog Number: AG15290	Calculated MW: 759 aa, 83 kDa	
	Observed MW: 83 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, IF-P, FC (Intra), ELISA	Positive Controls: WB : SH-SY5Y cells, U-87 MG cells, mouse brain tissue, rat brain tissue IHC : mouse brain tissue, IF-P : mouse brain tissue, IF/ICC : A549 cells,
Species Specificity: human, mouse, rat	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Tripartite motif-containing protein 46 (TRIM46), a microtubule-associated protein, is involved in the formation of parallel microtubule bundles linked by cross-bridges in the proximal axon. Required for the uniform orientation and maintenance of the parallel microtubule fascicles, which are important for efficient cargo delivery and trafficking in axons. Thereby also required for proper axon specification, the establishment of neuronal polarity, and proper neuronal migration. The TRIM46 protein reported in previous studies includes the long isoform TRIM46L (83 kDa) and the short isoform TRIM46S (60 kDa).

Storage

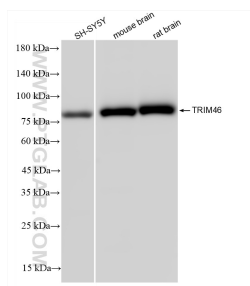
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

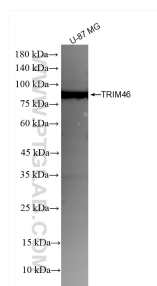
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

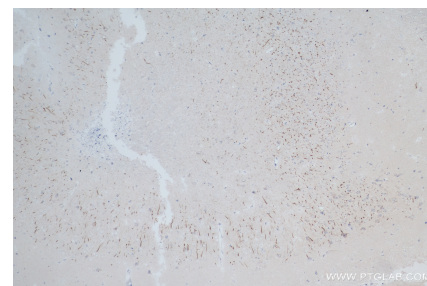
Selected Validation Data



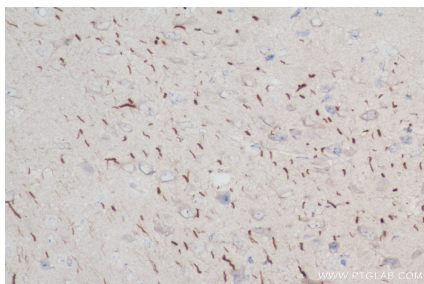
Various lysates were subjected to SDS PAGE followed by western blot with 83614-2-RR (TRIM46 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



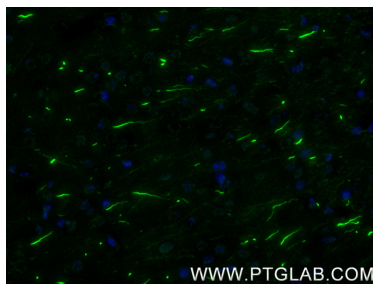
U-87 MG cells were subjected to SDS PAGE followed by western blot with 83614-2-RR (TRIM46 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



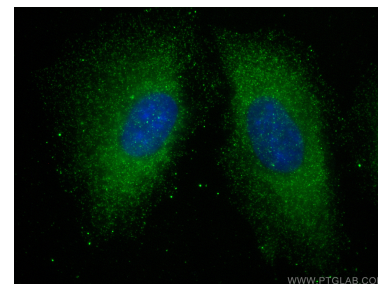
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 83614-2-RR (TRIM46 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



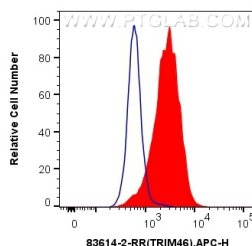
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 83614-2-RR (TRIM46 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



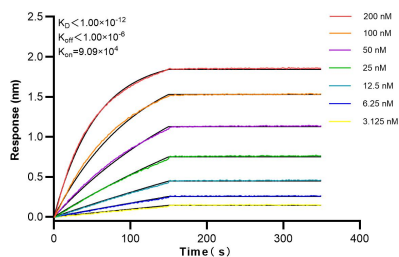
Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using TRIM46 antibody (83614-2-RR, Clone: 240557E1) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using TRIM46 antibody (83614-2-RR, Clone: 240557E1) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug TRIM46 Recombinant antibody (83614-2-RR, Clone:240557E1) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 83614-2-RR against Human TRIM46 were performed. The affinity constant is below 1 pM.