

For Research Use Only

TPRG1L Recombinant antibody

Catalog Number: 83989-4-RR



Basic Information

Catalog Number: 83989-4-RR	GenBank Accession Number: BC019034	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 127262	CloneNo.: 241070G6
Source: Rabbit	UNIPROT ID: Q5T0D9	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:50-1:500
Isotype: IgG	Full Name: tumor protein p63 regulated 1-like	
Immunogen Catalog Number: AG22585	Observed MW: 31 kDa	

Applications

Tested Applications:

WB, IHC, ELISA

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

Positive Controls:

WB : Neuro-2a cells, mouse brain tissue, rat brain tissue

IHC : mouse brain tissue,

Background Information

TPRG1L (Tumor protein p63-regulated gene 1-like protein) belongs to the presynaptic protein involved in the synaptic transmission tuning. It can regulate synaptic release probability by decreasing the calcium sensitivity of release. TPRG1L has two isoforms with molecular weights of 30kd and 23kd respectively. This antibody can recognize the 30kd isoform and may also recognize the 23kd isoform.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

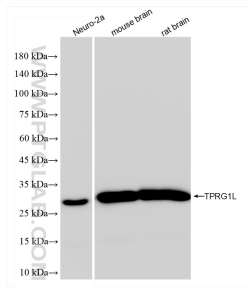
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

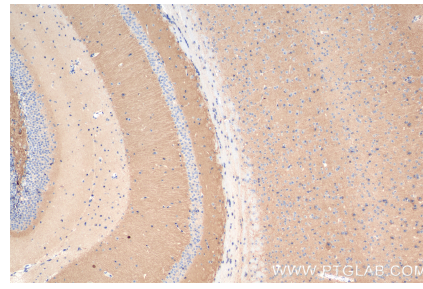
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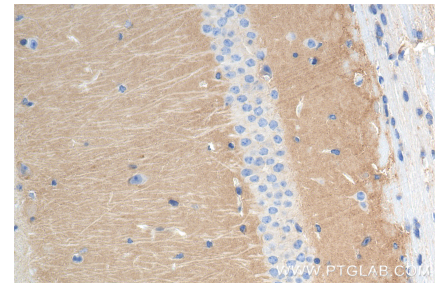
Selected Validation Data



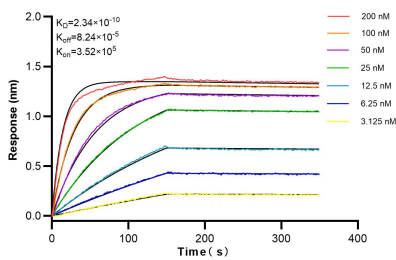
Various lysates were subjected to SDS PAGE followed by western blot with 83989-4-RR (TPRG1L antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 83989-4-RR (TPRG1L antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 83989-4-RR (TPRG1L antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 83989-4-RR against Human TPRG1L were performed. The affinity constant is 0.234 nM.