

BRSK1 Recombinant antibody

Catalog Number: 86462-1-RR

Basic Information

Catalog Number: 86462-1-RR	GenBank Accession Number: BC016681	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 84446	CloneNo.: 251341A11
Source: Rabbit	UNIPROT ID: Q8TDC3	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:400-1:1600
Isotype: IgG	Full Name: BR serine/threonine kinase 1	
Immunogen Catalog Number: AG3357	Calculated MW: 87 kDa	
	Observed MW: 85-90 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : mouse brain tissue, rat brain tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : rat stomach tissue, mouse stomach tissue

Background Information

BRSK1(Brain-specific serine/threonine-protein kinase 1) is also named as KIAA1811, SAD1, SADB and belongs to the SNF1 subfamily. BRSKs are crucial for establishing neuronal polarity, and BRSK1 has also been shown to regulate neurotransmitter release presynaptically. BRSK1 is a serine-threonine kinases specifically expressed in the brain, and activated by LKB1-mediated phosphorylation of a threonine residue at their T-loop. (PMID:22020259). It has 3 isoforms produced by alternative splicing.

Storage

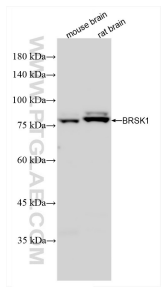
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

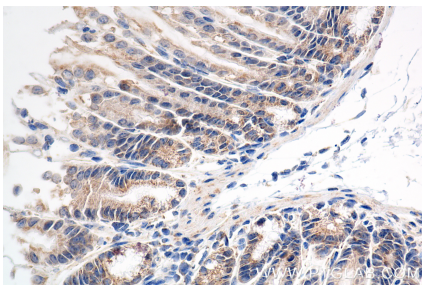
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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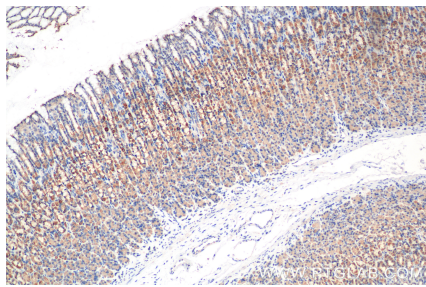
Selected Validation Data



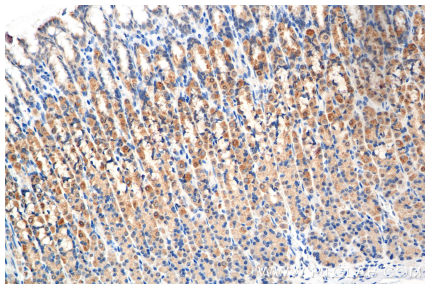
Various lysates were subjected to SDS PAGE followed by western blot with 86462-1-RR (BRSK1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



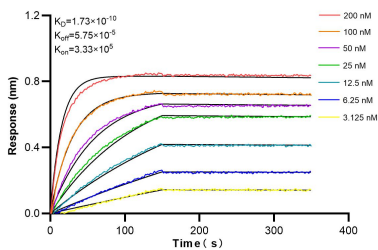
Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using 86462-1-RR (BRSK1 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat stomach tissue slide using 86462-1-RR (BRSK1 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat stomach tissue slide using 86462-1-RR (BRSK1 antibody) at dilution of 1:800 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 86462-1-RR against Human BRSK1 were performed. The affinity constant is 0.173 nM.