

# BRSK1 Recombinant antibody

Catalog Number: 86462-1-RR

## Basic Information

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

## Applications

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

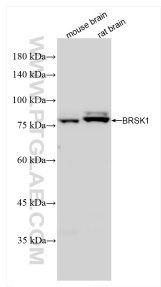
## Background Information

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.

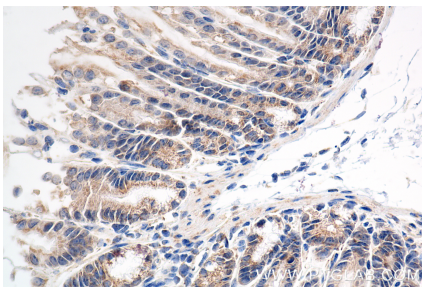
## Storage

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

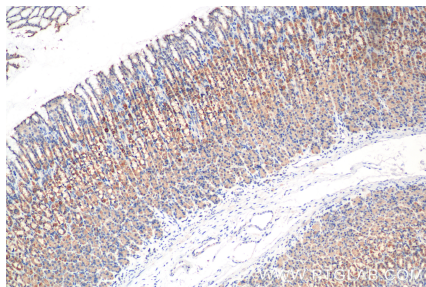
Selected Validation Data



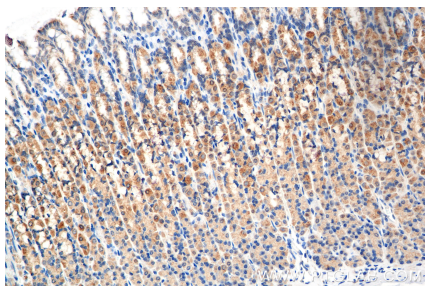
Various lysates were subjected to SDS PAGE followed by western blot with 86462-1-RR (BRSK1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



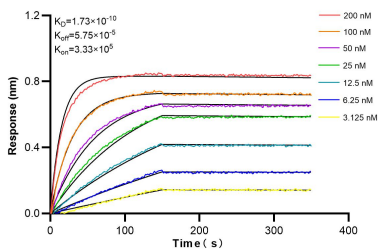
Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using 86462-1-RR (BRSK1 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.