

For Research Use Only

BRSK1 Polyclonal antibody

Catalog Number: 12673-1-AP **1 Publications**



Basic Information

Catalog Number: 12673-1-AP	GenBank Accession Number: BC016681	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 360 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 84446	Recommended Dilutions: WB 1:500-1:3000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: BR serine/threonine kinase 1	Calculated MW: 87 kDa
Isotype: IgG	Observed MW: 85-90 kDa	IHC 1:20-1:200
Immunogen Catalog Number: AG3357		

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : mouse brain tissue, human brain tissue, rat brain tissue
Cited Applications: WB	IP : mouse brain tissue,
Species Specificity: human, mouse, rat	IHC : human ovary tumor tissue,
Cited Species: 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

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Morita Tsuyoshi T	19648118	J Biol Chem	WB

Storage

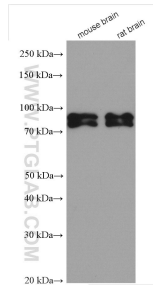
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

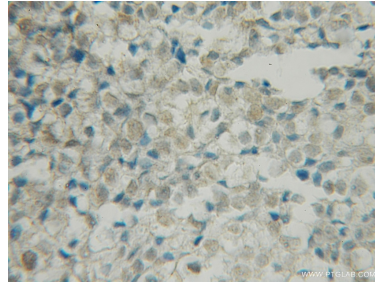
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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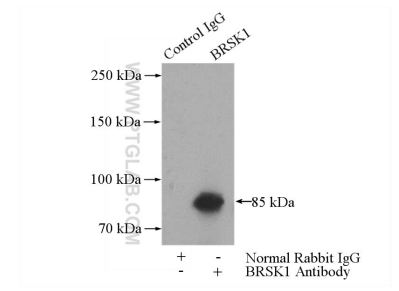
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12673-1-AP (BRSK1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary tumor using 12673-1-AP (BRSK1 antibody) at dilution of 1:50 (under 10x lens).



IP Result of anti-BRSK1 (IP:12673-1-AP, 4ug; Detection:12673-1-AP 1:500) with mouse brain tissue lysate 3440ug.