

BRSK1 Polyclonal Antibody

Catalog number: 12673-1-AP

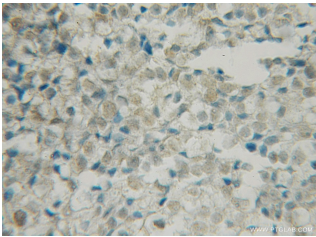
Size: 54 µg/150 µl

Source: Rabbit

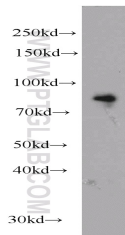
Isotype: IgG

Synonyms:

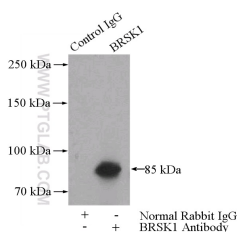
BRSK1; BR serine/threonine kinase 1, BRSK1, FLJ43009, KIAA1811, SAD1, SAD1 kinase



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



mouse brain tissue were subjected to SDS PAGE followed by western blot with 12673-1-AP (BRSK1 antibody) at dilution of 1:500



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

Background

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.

Applications

Tested applications:	ELISA, WB, IHC, IP
Cited applications:	WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Rat
Calculated BRSK1 MW:	87 kDa
Observed BRSK1 MW:	85-90 kDa
Positive WB detected in	Mouse brain tissue, human brain tissue
Positive IP detected in	Mouse brain tissue
Positive IHC detected in	Human ovary tumor tissue
Recommended dilution:	WB: 1:200-1:2000
	IP: 1:200-1:2000
	IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag3357
GenBank accession number:	BC016681
Gene ID (NCBI):	84446
Full name:	BR serine/threonine kinase 1

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.