

Rabbit BRSK1 Polyclonal Antibody | anti-BRSK1 antibody

BRSK1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA302296	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

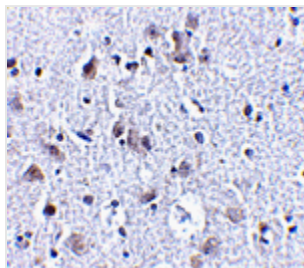
PRODUCT SYNONYMS

BRSK1; Polyclonal Antibody; BRSK1 Antibody; BR serine-threonine kinase 1; SAD1 kinase; SAD-B; anti-BRSK1 antibody

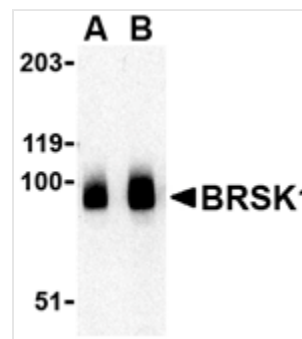
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	778
Applicable Applications for anti-BRSK1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 28 amino acid peptide from near the carboxy terminus of human BRSK1.
Target Name	BRSK1
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of BRSK1 in human brain tissue with BRSK1 antibody at 2.5 ug/mL.


WB (Western Blot)

Western blot analysis of BRSK1 in human brain tissue lysate with BRSK1 antibody at (A) 0.5 and (B) 1 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-BRSK1 antibody	BRSK1 was initially identified as a mammalian homolog to the fission yeast <i>S. pombe</i> Cdr2, a mitosis-regulatory kinase and also shows significant homology to the <i>C. elegans</i> neuronal cell polarity regulator SAD1. BRSK1 is ubiquitously expressed, with highest levels of expression in the brain and testes. Similar to its yeast homolog, BRSK1 is thought to be involved in stress-induced cell cycle arrest. Overexpression of this protein leads to the G2/M arrest in HeLa S2 cells and UV-induced G2/M arrest could be partially abrogated by reduced expression of BRSK1 through the use of siRNA, indicating its role in DNA damage checkpoint function. More recently, it has been shown that both BRSK1 and the related protein BRSK2 are required for mammalian neuronal polarization. While BRSK1- and BRSK2-null mice were viable, double-mutant mice died within two hours of birth. Neurons from these mice showed uniformly-sized neurites as opposed to the normal long axon and multiple shorter dendrites. These neurites also displayed both axonal and dendritic markers. At least two isoforms of BRSK1 are known to exist.
Product Categories/Family for anti-BRSK1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	24308326
NCBI GeneID	84446
NCBI Accession #	NP_115806.1
NCBI GenBank Nucleotide #	NM_032430.1
UniProt Accession #	Q8TDC3; Q5J5B5; Q8NDD0; Q8NDR4; Q8TDC2; Q96AV4; Q96JL4; F1DG44
Molecular Weight	38,782 Da
NCBI Official Full Name	serine/threonine-protein kinase BRSK1
NCBI Official Synonym Full Names	BR serine/threonine kinase 1
NCBI Official Symbol	BRSK1
NCBI Official Synonym Symbols	hSAD1
NCBI Protein Information	serine/threonine-protein kinase BRSK1
UniProt Protein Name	Serine/threonine-protein kinase BRSK1
UniProt Gene Name	BRSK1
UniProt Synonym Gene Names	KIAA1811; SAD1; SADB; BR serine/threonine-protein kinase 1; SAD1 homolog; hSAD1
UniProt Entry Name	BRSK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/brsk1-antibody-immunohistochemistry-western-blot-elisa/302296>