

Rabbit anti-Human, Mouse BRSK2 Polyclonal Antibody | anti-BRSK2 antibody

BRSK2 Antibody

CATALOG # AAA302979	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

BRSK2; Polyclonal Antibody; BRSK2 Antibody; BR serine-threonine kinase 2; serine-threonine protein kinase 29; STK29 PEN11B; SAD1B kinase; SAD-A; anti-BRSK2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	736
Applicable Applications for anti-BRSK2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 23 amino acid peptide from near the carboxy terminus of human BRSK2.
Target Name	BRSK2
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 BRSK2 in human brain tissue with BRSK2 antibody at 5 ug/mL.



WB (Western Blot)

Western blot analysis of BRSK2 in human brain tissue lysate with BRSK2 antibody at (A) 0.5, (B) 1 and (C) 2 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-BRSK2 antibody

BRSK2 was initially identified through a computer screen of the human genome and shows significant homology to the C. elegans neuronal cell polarity regulator SAD1. BRSK2 is expressed in the brain and to a lesser extent in the testes. BRSK2 is a member of the AMP-activated protein kinase subfamily and can be activated by the tumor suppressor kinase LKB1. More recently, it has been shown that both BRSK2 and the related protein BRSK1 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. BRSK2 has also been shown to be an autoantigen in paraneoplastic limbic encephalitis. At least four isoforms of BRSK2 are known to exist.

NCBI AND UNIPROT INFORMATION

NCBI GI #	375298744
NCBI GeneID	9024
NCBI Accession #	NP_001243556.1
NCBI GenBank Nucleotide #	NM_001256627.1
UniProt Accession #	Q8IWW3; O60843; O95099; Q5J5B4; Q6ZMQ4; Q8TB60; B3KVE9; E9PLM7
Molecular Weight	68,740 Da
NCBI Official Full Name	serine/threonine-protein kinase BRSK2 isoform 1
NCBI Official Synonym Full Names	BR serine/threonine kinase 2
NCBI Official Symbol	BRSK2
NCBI Official Synonym Symbols	SAD1; SADA; STK29; PEN11B; C11orf7
NCBI Protein Information	serine/threonine-protein kinase BRSK2
UniProt Protein Name	Serine/threonine-protein kinase BRSK2
UniProt Gene Name	BRSK2
UniProt Synonym Gene Names	C11orf7; PEN11B; SADA; STK29; BR serine/threonine-protein kinase 2
UniProt Entry Name	BRSK2_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/brsk2-antibody-immunohistochemistry-western-blot-elisa/302979>