



Datasheet for ABIN499503
anti-BRSK2 antibody (C-Term)



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2 Images

Overview

Quantity:	0.1 mg
Target:	BRSK2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BRSK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	BRSK2 antibody was raised against a 23 amino acid peptide from near the carboxy terminus of human BRSK2.
Isotype:	IgG
Specificity:	This antibody reacts to BRSK2.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	BRSK2
Alternative Name:	BRSK2 (BRSK2 Products)

Target Details

Background: 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. Synonyms: BR serine/threonine-protein kinase 2, C11orf7, HUSSY-12, PEN11B, SAD-A, STK29, Serine/threonine kinase SAD-A, Serine/threonine-protein kinase 29

Gene ID: 9024

UniProt: [Q8IWQ3](#)

Application Details

Application Notes: ELISA. Western Blot: BRSK2 antibody can be used for detection of BRSK2 at 1 - 2 µg/mL. Immunohistochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

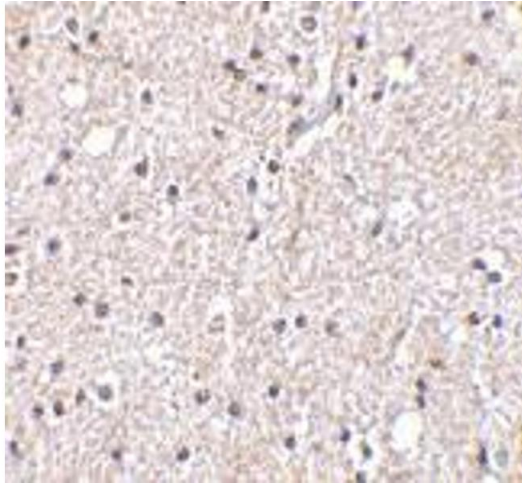
Buffer: PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

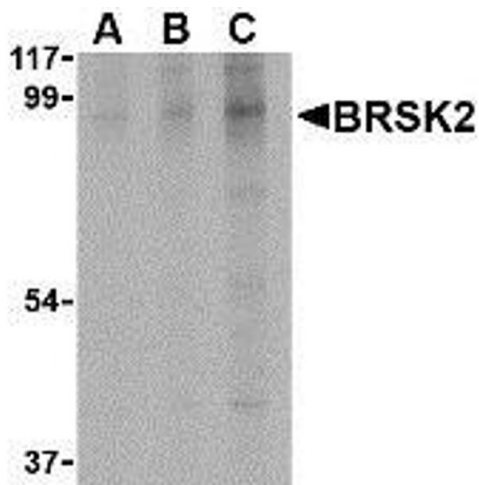
Storage: 4 °C

Storage Comment: Store the antibody undiluted at 2-8 °C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of BRSK2 in human brain tissue with BRSK2 antibody at 5 µg/ml.



Western Blotting

Image 2. Western blot analysis of BRSK2 in human brain tissue lysate with AP30168PU-N BRSK2 antibody at (A) 0.5, (B) 1 and (C) 2 µg/ml.