BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
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Anti-BRSK2 Antibody

Catalog Number: A05321

About BRSK2

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.

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Overview

Product Name	Anti-BRSK2 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-BRSK2 Antibody (Catalog # A05321). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	BRSK2 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	BRSK2 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q8IWQ3

Technical Details

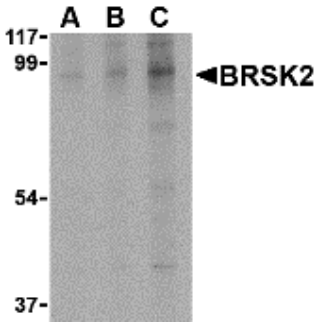
Immunogen	BRSK2 antibody was raised against a 23 amino acid synthetic peptide from near the carboxy terminus of human BRSK2. The immunogen is located within amino acids 630 - 680 of BRSK2.

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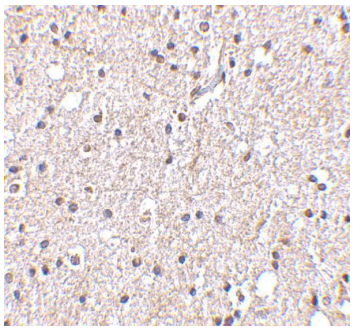
Predicted Reactive Species	Rat
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	BRSK2 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	BRSK2 antibody can be used for detection of BRSK2 by Western blot at 0.5 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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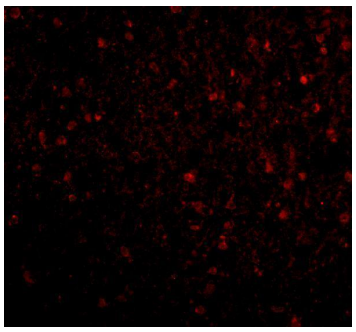
Anti-BRSK2 Antibody (A05321) Images



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



Immunohistochemistry of BRSK2 in human brain tissue with BRSK2 antibody at 5 ug/mL.



Immunofluorescence of BRSK2 in Human Brain cells with BRSK2 antibody at 20 ug/mL.

Anti-BRSK2 Antibody

For Research Use Only. Not for use in diagnostic procedures.