

Datasheet for ABIN7600926
anti-BRSK2 antibody (AA 250-736)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	BRSK2
Binding Specificity:	AA 250-736
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BRSK2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-BRSK2 Antibody Picoband®
Immunogen:	E.coli-derived human BRSK2 recombinant protein (Position: M250-P736).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-BRSK2 Antibody Picoband® (ABIN7600926). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	BRSK2
Alternative Name:	BRSK2 (BRSK2 Products)
Background:	Synonyms: T-cell receptor alpha chain C region, TRAC, TCRA Tissue Specificity: Expressed in testis and to a lesser degree in brain, ovary and placenta. Found in most tissues at low levels. Background: BR serine/threonine-protein kinase 2 is an enzyme that in humans is encoded by the BRSK2 gene. 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.
Molecular Weight:	90 kDa
Gene ID:	9024

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Kishi, M., Pan, Y. A., Crump, J. G., Sanes, Y. R. Mammalian SAD kinases are required for neuronal polarization. Science 307: 929-932, 2005. 2. Lu, R., Niida, H., Nakanishi, M. Human SAD1 kinase is involved in UV-induced DNA damage checkpoint function. J. Biol. Chem. 279: 31164-31170, 2004. 3. Miura, K., Masuzaki, H., Ishimaru, T., Niikawa, N., Jinno, Y. A Hhal/BstUI polymorphism in a novel gene at human chromosome 11p15.5. J. Hum. Genet. 43: 283-284, 1998.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.