BRSK2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	BRSK2, Polyclonal Antibody
Full Product Name	BRSK2, CT (BR Serine/Threonine-protein Kinase 2, Serine/Threonine-protein Kinase 29, Serine/Threonine-protein Kinase SAD-A, C11orf7, PEN11B, STK29, HUSSY-12) (MaxLight 550)
Product Gene Name	anti-BRSK2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Protein G Affinity Chromatography.
Specificity	Recognizes human STK29.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	81.607
OMIM	609236
3D Structure	ModBase 3D Structure for Q8IWQ3
Immunogen	Synthetic peptide selected from the C-terminal region of human STK29 (KLH).
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-BRSK2 antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-BRSK2 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-BRSK2 antibody	IHC: 1:50-1:100 FLISA: 1:1,000 WB: 1:100-1:500 Applications are based on unconjugated antibody.
Related Product Information for anti-BRSK2 antibody	MBS6465760 is an antibody targeting BRSK2. Also known as BRSK2, CT (BR Serine/Threonine-protein Kinase 2, Serine/Threonine-protein Kinase 29, Serine/Threonine-protein Kinase SAD-A, C11orf7, PEN11B, STK29, HUSSY-12) (MaxLight 550). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-BRSK2 antibody	1. J. Biol. Chem. 279: 31164-31170, 2004. 2. J. Hum. Genet. 44:1-9(1999). 3. J. Hum. Genet. 43: 283-284, 1998.
Other Notes	Small volumes of anti-BRSK2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BRSK2. It may not necessarily be applicable to this product.

NCBI GI #	33187744
NCBI Accession #	AAP97726
UniProt Primary Accession #	Q8IWQ3
NCBI Official Full Name	putative serine/threonine protein kinase variant C
UniProt Protein Name	Serine/threonine-protein kinase BRSK2
UniProt Synonym Protein Names	Brain-selective kinase 2 (EC:2.7.11.26); Brain-specific serine/threonine-protein kinase 2; BR serine/threonine-protein kinase 2; Serine/threonine-protein kinase 29; Serine/threonine-protein kinase SAD-A
Protein Family	Serine/threonine-protein kinase
UniProt Gene Name	BRSK2
UniProt Synonym Gene Names	C11orf7; PEN11B; SADA; STK29; BR serine/threonine-protein kinase 2
UniProt Entry Name	BRSK2_HUMAN
UniProt Comments for BRSK2	BRSK2: a serine/threonine protein kinase of the CAMK group. Closely related to AMPK. Activated by the kinase LKB1. BRSK1 and BRSK2 are required for nueronal polarization. Expressed in the brain and at low levels in the testis. Four alternatively spliced isoforms have been described. Protein type: EC 2.7.11.1; EC 2.7.11.26; Protein kinase, CAMK; Kinase, protein; Protein kinase, Ser/Thr (non-receptor); CAMK group; CAMKL family; BRSK subfamily Chromosomal Location of Human Ortholog: 11p15.5 Cellular Component: centrosome; endoplasmic reticulum; perinuclear region of cytoplasm; cytoplasm Molecular Function: protein serine/threonine kinase activity; tau-protein kinase activity; magnesium ion binding; protein kinase binding; ATP binding Biological Process: neuron differentiation; mitosis; peptidyl-serine phosphorylation; exocytosis; axonogenesis; cell division; establishment of cell polarity; actin cytoskeleton reorganization; G2/M transition of mitotic cell cycle; protein amino acid phosphorylation
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