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[Marker Primary Antibody]

Rabbit Anti-BRSK1/AF647 Conjugated antibody

Catalog Number: SL7905R-AF647

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-BRSK1/AF647
Immunogen:	KLH conjugated synthetic peptide derived from human BRSK1
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Rat(predicted:Human,Mouse,Pig,Cow,Horse)
Background:	background: Required for the polarization of forebrain neurons which endows axons and dendrites with distinct properties, possibly by locally regulating phosphorylation of microtubule-associated proteins (By similarity). May be involved in the regulation of G2/M arrest in response to UV- or methyl methane sulfonate (MMS)-induced, but not IR-induced, DNA damage. Phosphorylates WEE1 and CDC25B in vitro and CDC25C in vitro and in vivo. Tissue specificity: Widely expressed, with highest levels in brain and testis. Protein levels remain constant throughout the cell cycle. **Subcellular Location:** Cytoplasm. Nucleus. Cytoplasm, cytoskeleton, centrosome. Cell junction, synapse. Note=Localizes to synaptic vesicles in neurons. Nuclear in the absence of DNA damage. Translocated to the nucleus in response to UV- or MMS-induced DNA damage. **Tissue Specificity:** Widely expressed, with highest levels in brain and testis. Protein levels remain constant throughout the cell cycle. **Similarity:** Belongs to the protein kinase superfamily. CAMK Ser/Thr protein

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

	kinase family. SNF1 subfamily. Contains 1 protein kinase domain. Contains 1 UBA domain. **Database links:** **Entrez Gene:** 84446 Human **Entrez Gene:** 381979 Mouse **Entrez Gene:** 499073 Rat Omim: 609235 Human **SwissProt:** Q8TDC3 Human **SwissProt:** Q5RJI5 Mouse **SwissProt:** B2DD29 Rat **Unigene:** 182081 Human **Unigene:** 297064 Mouse Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.