



Anti-BRSK1 (center region) polyclonal antibody (CPBT-67811RB)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit anti BRSK1 antibody recognizes human BR serine-threonine kinase 1 (BRSK1), a cytoplasmic and nuclear protein belonging to the protein kinase super family. BRSK1 is a widely expressed protein, with highest levels being detected in the brain and testis. It is essential for the polarization forebrain neurones which results in the distinct properties of axons and dendrites. BRSK1 is involved in the regulation of G2/M arrest and functions as a checkpoint kinase following UV- or methyl methane sulfonate (but not IR-) induced DNA damage. BRSK1 phosphorylates WEE1 and CDC25B in vitro and CDC25C in vitro and in vivo. Multiple isoforms of BRSK1 have been identified.
-------------------------	---

Specificity	BRSK1
Immunogen	A peptide corresponding to a 28 amino acid sequence from near the centre of Human BRSK1.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Conjugate	Unconjugated
Applications	IHC-P; WB
Format	Purified IgG - liquid
Size	100 µg
Preservative	0.02% Sodium Azide
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a

precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	BRSK1 BR serine/threonine kinase 1 [Homo sapiens (human)]
Official Symbol	BRSK1
Synonyms	BRSK1; BR serine/threonine kinase 1; hSAD1; serine/threonine-protein kinase BRSK1; SAD1 kinase; SAD1 homolog; protein kinase SAD1A; brain-selective kinase 1; SadB kinase short isoform; BR serine/threonine-protein kinase 1; serine/threonine-protein kinase
Entrez Gene ID	84446
Protein Refseq	NP_115806
UniProt ID	Q8TDC3
Chromosome Location	19q13.4
Pathway	LKB1 signaling events;
Function	ATP binding; gamma-tubulin binding; magnesium ion binding; protein kinase binding; protein serine/threonine kinase activity; tau-protein kinase activity;