

**AP15178PU-N****Polyclonal Antibody to BRSK1 (N-term) - Purified**

<b>Alternate names:</b>	BR serine/threonine-protein kinase 1, KIAA1811, SAD-B, SAD1, SAD1 kinase, Serine/threonine kinase SAD-B
<b>Quantity:</b>	0.4 ml
<b>Concentration:</b>	lot specific
<b>Background:</b>	BRSK1 may be involved as a checkpoint kinase in the regulation of G2/M arrest in response to UV- or methyl methane sulfonate (MMS)-induced, but not IR-induced, DNA damage. This protein phosphorylates WEE1 and CDC25B in vitro and CDC25C in vitro and in vivo. BRSK1 is partitioned between cytoplasmic and nuclear locations in the absence of DNA damage, but translocates to the nucleus in response to Uv- or MMS-induced DNA damage. BRSK1 shares significant homology with the fission yeast Cdr2, a mitosis-regulatory kinase, and Caenorhabditis elegans SAD1, a neuronal cell polarity regulator. The BRSK1 transcript is expressed ubiquitously with the highest levels of expression in brain and testis.
<b>Uniprot ID:</b>	<a href="#">Q8TDC3</a>
<b>NCBI:</b>	<a href="#">9606</a>
<b>GenelD:</b>	<a href="#">84446</a>
<b>Host / Isotype:</b>	Rabbit / Ig
<b>Immunogen:</b>	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human BRSK1.
<b>Format:</b>	<b>State:</b> Liquid purified Ig <b>Purification:</b> Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS <b>Buffer System:</b> PBS with 0.09% (W/V) sodium azide
<b>Applications:</b>	ELISA: 1/1,000. Western blotting: 1/100 - 1/500. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody reacts to BRSK1. <b>Species:</b> Human. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>Caution:</b>	This product is for research use only. Not for use in diagnostic or therapeutic procedures.
<b>General Readings:</b>	1. Lu, R., et al., J. Biol. Chem. 279(30):31164-31170 (2004). 2. Lizcano, J.M., et al., EMBO J. 23(4):833-843 (2004).

**Pictures:**

Western blot analysis of anti-KIAA181 Pab in mouse liver tissue lysate (35ug/lane). KIAA181 (arrow) was detected using the purified Pab (1:60 dilution).

