

AB-PK549

BRSK1-pT189 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human protein-serine/threonine kinase BRSK1



KINEXUS

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Target Protein

Name Long:	BR serine/threonine-protein kinase 1
Alias:	BR serine/threonine kinase 1; KIAA1811; SAD1; SAD1 kinase; SAD1A
UniProt ID:	Q8TDC3
Sequence Predicted Mass (kDa):	86.753 (794 AA; Q8TDC3-2); 85.087 (778 AA; Q8TDC3); 38.782 (343 AA; Q8TDC3-3)
Observed SDS-PAGE Mass (kDa):	85-90

Immunogen

Antibody Immunogen Source:	Human BRSK1 sequence peptide Cat. No.: PE-04AIW95
Antibody Immunogen Sequence:	LLE(pT)SCG(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues L186 to G192; In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Thr-189

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Ig Isotype Clone Lot:	Immunoglobulin G
Production Method:	The immunizing peptide was produced by solid phase synthesis on a multipеп peptide synthesizer and purified by reverse-phase hplc chromatography. Purity was assessed by analytical hplc and the amino acid sequence confirmed by mass spectrometry analysis. This peptide was coupled to KLH prior to immunization into rabbits. New Zealand White rabbits were subcutaneously injected with KLH-coupled immunizing peptide every 4 weeks for 4 months. The sera from each animal was applied onto an agarose column to which the immunogen peptide was thio-linked. Antibody was eluted from the column with 0.1 M glycine, pH 2.5. Subsequently, the antibody solution was neutralized to pH 7.0 with saturated Tris. This antibody was also subject to negative purification over phosphotyrosine-agarose.
Antibody Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	141024
Storage Buffer:	Phosphate buffered saline (PBS) pH7.4, 0.05% Thimerazol
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

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Applications

Product Use:	Western blotting Antibody microarrays
Antibody Dilution Recommended:	2 µg/ml for immunoblotting
Antibody Species Reactivity:	Human, mouse, rat and many other mammals
Antibody Positive Controls:	Very strong immunoreactivity with immunogen peptide on dot blots.
Detection by Immunoblotting in Cell/Tissue Lysates:	Weak immunoreactivity of a target-sized protein by Western blotting in HEK-293 cells.
Overall Antibody Specificity:	Very high selectivity
Antibody Cross Reactivities:	No cross-reactive proteins evident in Jurkat cells, HEK-293 cells and in sea star oocytes.

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-866-KINEXUS(546-3987)