

AB-PK819

SRPK1-pS222 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human protein-serine/threonine kinase SRPK1



KINEXUS

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Target Protein

Name Long:	Serine/arginine-rich protein-specific kinase 1; SRPK1a protein kinase
Alias:	SFRS protein kinase 1; SFRSK1; SRPK1a protein kinase
UniProt ID:	Q96SB4
Sequence Predicted Mass (kDa):	92.412 (826 AA; Q96SB4-3); 74.325 (655 AA; Q96SB4); 72.383 (639 AA; Q96SB4-4)
Observed SDS-PAGE Mass (kDa):	90-100

Immunogen

Antibody Immunogen Source:	Human SRPK1 sequence peptide Cat. No.: PE-04APR99
Antibody Immunogen Sequence:	ILG(pS)DDD(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues I219 to D225; Near the N-terminus of the kinase.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Ser-222

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 multipep 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:	150305
Storage Buffer:	Phosphate buffered saline (PBS) pH7.4, 0.05% Thimerasol
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:	Strong immunoreactivity with immunogen peptide on dot blots.
Overall Antibody Specificity:	High selectivity
Antibody Cross Reactivities:	In HeLa cells, phenylarsine oxide (PAO) increases detection of 80 and 75 KDa proteins. No cross-reactivities observed in T98G cells.

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)