

AB-PK891

SRPK1-pS587 Antibody

Phosphosite-specific rabbit polyclonal antibody for SRPK1. This phosphoserine-site antibody also cross-reacts with a phosphothreonine substitution in the phosphosite.

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Target Protein

Protein Name Long:	Serine/arginine-rich protein-specific kinase 1; SRPK1a protein kinase
Protein Alias:	SFRS protein kinase 1; SFRSK1; SRPK1a protein kinase
UniProt ID:	Q96SB4
Protein Molecular Mass:	92,412 Da (826 AA; Q96SB4-3); 74,325 Da (655 AA; Q96SB4); 72,383 Da (639 AA; Q96SB4-4)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human SRPK1
Antibody Immunogen Sequence:	GKY(pS)KEF(βA)C
Antibody Immunogen Description:	Corresponds to amino acid residues G584 to F590. S587 phosphorylation appears to induce RNA splicing. This is a minor site of <i>in vivo</i> phosphorylation of SRPK1 based on ≥1 mass spectrometry reports recorded in PhosphoSitePlus. SRPK1 is known to be phosphorylated at this site <i>in vitro</i> by SRPK1.
Antibody Target Type:	Phosphosite-specific

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Isotype:	IgG
Production Method:	The immunizing peptide was produced by solid phase synthesis on a multipепptide 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 these animals 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.
Amount:	25 µg
Antibody Concentration:	0.75 mg/ml
Storage Buffer:	Phosphate buffered saline pH 7.4, 0.05% Thimerasol
Storage Conditions:	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.
Storage Stability:	>2 years

Applications

Product Use:	Western blotting Antibody microarray
Antibody Dilution Recommended:	2 µg/ml for immunoblotting
Antibody Species Reactivity:	Human Chimpanzee Rhesus Macaque Dog Rat Mouse Platypus Chicken Frog Zebrafish

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 <https://kinexus-ca.myshopify.com/> or contact us at 1-866-546-3987