

AB-PN990

SNAP25-pS187 Antibody

Phosphosite-specific rabbit polyclonal antibody for SNAP25. This phosphoserine-site antibody also cross-reacts with a phosphothreonine substitution in the phosphosite.

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Target Protein

Protein Name Long:	Synaptosomal-associated protein 25
Protein Alias:	Bdr; RIC4; SNAP25; SNAP-25B; SNP25; SUP; super protein; synaptosomal associated 25kDa protein
UniProt ID:	P60880
Protein Molecular Mass:	23,336 Da (206 AA; P60880-2); 23,315 Da (206 AA; P60880-1)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human SNAP25
Antibody Immunogen Sequence:	EKAD(pS)NKT(βA)C
Antibody Immunogen Description:	Corresponds to amino acid residues E183 to T190. S187 phosphorylation stimulates its activity. This is a minor <i>in vivo</i> sites for phosphorylation of SNAP25 based on ≥1 mass spectrometry reports recorded in PhosphoSitePlus. SNAP25 is known to be phosphorylated at this site <i>in vitro</i> by PKACa (PRKACA), PKCa (PRKCA), and ROCK2 (ROK-alpha).
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:	0.9 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 Rhesus macaque Dog Rat Mouse Platypus Chicken Frog Zebra fish Sea urchin

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