

AB-PN987

Shc3-pY406 Antibody

Phosphosite-specific rabbit polyclonal antibody for Shc3. This phosphotyrosine-site antibody also weakly cross-reacts with phosphothreonine and phosphoserine substitutions of the phosphosite.

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Target Protein

Protein Name Long:	SHC (Src homology 2 domain containing) transforming protein 3
Protein Alias:	Neuronal Shc; NSHC; N-Shc; Protein Rai; SH2 domain protein C3; SHC (Srcy 2 domain containing) transforming protein 3; SHC transforming protein 3; SHCC; Src homology 2 domain containing transforming protein C3
UniProt ID:	Q92529
Protein Molecular Mass:	64,056 Da (594 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human Shc3
Antibody Immunogen Sequence:	CSSDI(pY)STP
Antibody Immunogen Description:	Corresponds to amino acid residues S402 to P409. The effect of Shc3 Y406 phosphorylation is unclear. This is the major <i>in vivo</i> site for phosphorylation of Shc3 based on ≥ 28 mass spectrometry reports recorded in PhosphoSitePlus. Shc3 is known to be phosphorylated at this site <i>in vitro</i> by EGFR, Src, TrkA (NTRK1), and TrkB (NTRK2).
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 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 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 μ g
Antibody Concentration:	0.55 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 $+4^{\circ}\text{C}$ 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 Rat

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