

AB-PN854

SYN1-pS605 Antibody

Phosphosite-specific rabbit polyclonal antibody for SYN1 (Synapsin 1). This phosphoserine-site antibody is also cross-reactive for a glutamic acid substitution and weakly for phosphothreonine substitution in the phosphosite.

Website: www.kinexus.ca
Email: info@kinexus.ca
Phone: 604-323-2547



Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Target Protein

Protein Name Long:	Synapsin 1
Protein Alias:	Brain protein 4.1; SYN-1; Synapsin I
UniProt ID:	P17600
Protein Molecular Mass:	74,111 Da (705 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human SYN1
Antibody Immunogen Sequence:	TRQA(pS)QAGC
Antibody Immunogen Description:	Corresponds to amino acid residues T601 to G608. The effect of SYN1 S605 phosphorylation is unclear. This is a major site of <i>in vivo</i> phosphorylation of SYN1 based on ≥19 mass spectrometry reports recorded in PhosphoSitePlus. SYN1 is known to be phosphorylated at this site <i>in vitro</i> by CaMK2a, PAK1, PAK2, and PAK3 (STK4).
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 µg
Antibody Concentration:	0.4 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 Rat Mouse

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