

AB-PN850

SNCA-pY39 Antibody

Phosphosite-specific rabbit polyclonal antibody for SNCA (α-Synuclein)



KINEXUS

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:	Alpha-synuclein
Protein Alias:	NACP; Non A4 component of amyloid precursor; Non-A beta component of AD amyloid; Non-A4 component of amyloid precursor; PARK1; PD1; SYN; Synuclein, alpha; SYUA
UniProt ID:	P37840
Protein Molecular Mass:	14,460 Da (140 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human SNCA
Antibody Immunogen Sequence:	EGVL(pY)VGSC
Antibody Immunogen Description:	Corresponds to amino acid residues E35 to S42. T39 phosphorylation induces interaction with DRBP1 and inhibits binding to SNCA. This is one of the major <i>in vivo</i> phosphorylation sites in SNCA by mass spectrometry (≥15 reports recorded in PhosphoSitePlus). SNCA is known to be phosphorylated at this site <i>in vitro</i> by Abl1.
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:	1 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 Dog Rat Mouse Chicken Frog

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