

AB-PN655

SIN3A-pS832 Antibody

Phosphosite-specific rabbit polyclonal antibody for SIN3A. This phosphoserine-site antibody also cross-reacts with phosphothreonine, serine, threonine and glutamic acid and weakly with a phosphotyrosine substitution in the phosphosite.

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Target Protein

Protein Name Long:	Paired amphipathic helix protein Sin3a
Protein Alias:	DKFZP434K2235; KIAA0700; SIN3 A, transcription regulator; SN3A; Transcriptional corepressor Sin3a
UniProt ID:	Q96ST3
Protein Molecular Mass:	145,175 Da (1,273 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human SIN3A
Antibody Immunogen Sequence:	CGDL(pS)DVEE
Antibody Immunogen Description:	Corresponds to amino acid residues G829 to E836. The effect of S832 phosphorylation is unclear. This is a major site of <i>in vivo</i> phosphorylation site of SIN3A based on ≥69 high throughput mass spectrometry reports recorded in PhosphoSitePlus. SIN3A is known to be phosphorylated at this site <i>in vitro</i> by CK2a1 (CSNK2A1).
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 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