

AB-PK933

GSK3 β -pT43 Antibody

Phosphosite-specific rabbit polyclonal antibody for GSK3 β



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:	Glycogen synthase-serine kinase 3 beta
Protein Alias:	Factor A; Glycogen synthase kinase 3 beta; GSK-3 beta; GSK3-beta; Kinase GSK-3 beta; Kinase GSK3-beta; Protein kinase GSK-3-beta; CCDS2996.1; ENSG00000082701
UniProt ID:	P49841
Protein Molecular Mass:	46,744 Da (420 AA; P49841-1); 48,034 Da (433 AA; P49841-2)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human GSK3b
Antibody Immunogen Sequence:	VVA(pT)PGQGC
Antibody Immunogen Description:	Corresponds to amino acid residues V40 to G47. T43 phosphorylation stimulates GSK3b phosphotransferase activity. This is a minor site of <i>in vivo</i> phosphorylation of GSK3b with only ≥ 2 mass spectrometry reports recorded in PhosphoSitePlus. GSK3b is known to be phosphorylated at this site <i>in vitro</i> by p38a MAPK (MAPK14).
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 μ g
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 Chicken Frog Zebra fish Fruit fly Honey bee

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