

AB-NK194-NK195-3

GSK3b-XI Antibody

Pan-specific polyclonal antibody for monitoring the expression of human protein-serine/threonine kinase GSK3b



KINEXUS

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Target Protein

Name Long:	Glycogen synthase-serine kinase 3 beta
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
Sequence Predicted Mass (KDa):	46.744 (420 AA; P49841-1); 48.034 (433 AA; P49841-2)
Observed SDS-PAGE Mass (KDa):	45-50

Immunogen

Antibody Immunogen Source:	Human GSK3b sequence peptide Cat. No.: PE-01AQI90
Antibody Immunogen Sequence:	CAHSFFDELDPNVK
Location in Target:	Corresponds to amino acid residues C335 to K349; Kinase catalytic subdomain 11
Peptide Type:	For pan-specific recognition of target expression levels.
Target Phosphosite:	Not phosphorylated

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Ig Isotype Clone Lot:	Immunoglobulin G
Production Method:	The immunizing peptide was produced by solid phase synthesis on a multipep 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 each animal 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.
Antibody Amount:	25 µg
Storage Buffer:	Phosphate buffered saline (PBS) pH7.4, 0.05% Thimerasol
Storage Conditions and Stability:	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.

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Applications

Product Use:	Western blotting Antibody microarrays
Antibody Dilution Recommended:	2 µg/ml for immunoblotting
Antibody Species Reactivity:	Human, mouse, rat and many other mammals

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 www.kinexusproducts.ca or contact us at 1-866-KINEXUS(546-3987)