

# AB-NK070

## GSK3b-XI (GSK3b-1) Antibody

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



**KINEXUS**

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### Target Protein

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

### Immunogen

<b>Antibody Immunogen Source:</b>	Human GSK3b sequence peptide Cat. No.: PE-01AQU90
<b>Antibody Immunogen Sequence:</b>	CAHSFFDELDPNVK
<b>Location in Target:</b>	Corresponds to amino acid residues C335 to K349; Kinase catalytic subdomain 11
<b>Peptide Type:</b>	For pan-specific recognition of target expression levels.
<b>Target Phosphosite:</b>	Not phosphorylated

### Production

<b>Antibody Host Species:</b>	Rabbit
<b>Antibody Type:</b>	Polyclonal
<b>Antibody Ig Isotype Clone Lot:</b>	Immunoglobulin G
<b>Production Method:</b>	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 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.
<b>Antibody Amount:</b>	25 µg
<b>Antibody Concentration:</b>	1 / 0.16 mg/ml
<b>Lot Number:</b>	10320 / 160520
<b>Storage Buffer:</b>	Phosphate buffered saline (PBS) pH7.4, 0.05% Thimerasol
<b>Storage Conditions and Stability:</b>	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

<b>Product Use:</b>	Western blotting   Antibody microarrays
<b>Antibody Dilution Recommended:</b>	0.5 µg/ml for immunoblotting
<b>Antibody Species Reactivity:</b>	Human, mouse, rat and many other mammals
<b>Detection by Immunoblotting in Cell/Tissue Lysates:</b>	Very strong immunoreactivity of a target-sized protein by Western blotting in mouse brain and muscle.
<b>Overall Antibody Specificity:</b>	High-very high selectivity
<b>Antibody Cross Reactivities:</b>	Only significant cross-reactivity was with a ~75 KDa protein in MCF7 cells.

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