

AB-NK193-4

AurKB-3 Antibody

Pan-specific polyclonal antibody for monitoring the expression of human protein-serine/threonine kinase AurKB (Aurora B, AIM-1)



KINEXUS

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Target Protein

Name Long:	Aurora Kinase B (serine/threonine protein kinase 12)
Alias:	AIK2; AIM1; AIM-1; ARK2; AURKB; Aurora, IPL1-related kinase 2; Aurora-2; Aurora-B; STK12; AURKB; IPL1; STK12; STK5; CCDS11134.1; ENSG00000178999
UniProt ID:	Q96GD4
Sequence Predicted Mass (kDa):	39.467 (345 AA; Q96GD4-5); 39.311 (344 AA; Q96GD4); 35.302 (312 AA; Q96GD4-2); 34.760 (303 AA; Q96GD4-4); 16.211 (142 AA; Q96GD4-3)
Observed SDS-PAGE Mass (kDa):	35-45

Immunogen

Antibody Immunogen Source:	Human AurKB (Aurora B, AIM-1) sequence peptide Cat. No.: PE-01AWX85
Antibody Immunogen Sequence:	CAQVSAHPWVRANSRR
Location in Target:	Corresponds to amino acid residues A319 to R333; Kinase last alpha-chain
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 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.
Antibody Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	140724
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:	1 µg/ml for immunoblotting
Antibody Species Reactivity:	Human, mouse, rat and many other mammals
Antibody Positive Controls:	Very strong immunoreactivity with recombinant human AurKB on protein dot blots.
Antibody Cross Reactivities:	Very strong immunoreactivity on protein dot blots with recombinant human AurKA, and no immunoreactivity with recombinant human AurKC.

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)