

AB-NK147-2

PIK3-AKCD Antibody

Pan-specific polyclonal antibody for monitoring the expression of human protein-serine/threonine kinase PIK3 (CNK)



KINEXUS

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Target Protein

Name Long:	Polo-like protein-serine kinase 3 (cytokine- inducible kinase (CNK))
Alias:	CNK; Cytokine-inducible serine/threonine-protein kinase; FGF-inducible kinase; FNK; Kinase PLK3; PLK-3; Polo-like kinase 3; PRK; Proliferation-related kinase; RP11-269F19_6; CCDS515.1; ENSG00000173846
UniProt ID:	Q9H4B4
Sequence Predicted Mass (KDa):	71.629 (646 AA; Q9H4B4)
Observed SDS-PAGE Mass (KDa):	72-78

Immunogen

Antibody Immunogen Source:	Human PIK3 (CNK) sequence peptide Cat. No.: PE-01BFA75
Antibody Immunogen Sequence:	KSKNHAQERDEVSGLVSGC
Location in Target:	Corresponds to amino acid residues K357 to G374; After catalytic domain
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 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 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:	0.18 mg/ml
Lot Number:	160628
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
Detection by Immunoblotting in Cell/Tissue Lysates:	Weak immunoreactivity of a target-sized protein by Western blotting in A431 cells
Overall Antibody Specificity:	Very high selectivity
Antibody Cross Reactivities:	No significant cross-reactivities detected in various human cancer cell lines, including A431, HEK-293, HeLa, HepG2, Jurkat and MCF7 cells. No cross-reactivities detected in mouse brain, skeletal muscle, testes and thymus.

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)