

AB-NK286-1

PCTK3-ANT Antibody

Pan-specific polyclonal antibody for monitoring the expression of human protein-serine/threonine kinase PCTK3 (PCTAIRE3, CDK18)



KINEXUS

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Target Protein

Name Long:	Cell division protein kinase 18; Protein-serine kinase PCTAIRE-3
Alias:	CDK18; KPT3; PCTAIRE protein kinase 3; PCTK3; Serine/threonine-protein kinase PCTAIRE-3; ENSG00000117266
UniProt ID:	Q07002
Sequence Predicted Mass (KDa):	57.577 (504 AA; Q07002-3); 54.424 (474 AA; Q07002-2); 54.180 (472 AA; Q07002)
Observed SDS-PAGE Mass (KDa):	50-55

Immunogen

Antibody Immunogen Source:	Human PCTK3 (PCTAIRE3, CDK18) sequence peptide Cat. No.: PE-01BEK65
Antibody Immunogen Sequence:	CIEESLAEFTEQFNQLHNRR
Location in Target:	Corresponds to amino acid residues I21 to R39; Post-N-terminus
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
Antibody Concentration:	1 mg/ml
Lot Number:	160630
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:	Strong immunoreactivity of a target-sized protein by Western blotting in various human cancer cell lines, including A431, HEK-293, HeLa, HepG2, Jurkat and MCF7 cells, and in mouse brain, testes and thymus.
Overall Antibody Specificity:	Medium selectivity
Antibody Cross Reactivities:	Strong cross-reactivities for ~110 and ~74 KDa detected in various human cancer cell lines, including A431, HEK-293, HeLa, HepG2, Jurkat and MCF7 cells. Medium-strong cross-reactivities with 5 proteins in mouse brain and 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)