

AB-NK139-2

PKD3-BKCD Antibody

Pan-specific polyclonal antibody for monitoring the expression of human protein-serine/threonine kinase PKD3 (PRKCN)



KINEXUS

Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Email: info@kinexus.ca
Phone: 604-323-2547

Target Protein

Name Long:	Protein-serine kinase C nu; Serine/threonine-protein kinase D3
Alias:	EPK2; KPCD3; NPKC-nu; PRKCN; PRKD3; Protein kinase C, nu type; Protein kinase D3; Protein kinase EPK2
UniProt ID:	O94806
Sequence Predicted Mass (kDa):	100.471 (890 AA; O94806); 68.123 (611 AA; O94806-2)
Observed SDS-PAGE Mass (kDa):	100-105

Immunogen

Antibody Immunogen Source:	Human PKD3 (PRKCN) sequence peptide Cat. No.: PE-01BEU80
Antibody Immunogen Sequence:	TDTMVYFVGENNGDSSHNGC
Location in Target:	Corresponds to amino acid residues T490 to N507; Just before kinase 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 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
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 or 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)