

AB-NK285-1

PCTK2-ANT Antibody

Pan-specific polyclonal antibody for monitoring the expression of human protein-serine/threonine kinase PCTK2 (PCTAIRE2, CDK17)



KINEXUS

Address: 8755 Ash Street, Suite 1
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Target Protein

| | |
|---------------------------------------|---|
| Name Long: | Cell division protein kinase 17; Protein-serine kinase PCTAIRE-2 |
| Alias: | CDK17; KPT2; PCTAIRE protein kinase 2; PCTAIRE-motif protein kinase 2; PCTK2; Serine/threonine-protein kinase PCTAIRE-2 |
| UniProt ID: | Q00537 |
| Sequence Predicted Mass (KDa): | 59.582 (523 AA; Q00537); 59.531 (523 AA; Q00537-2) |
| Observed SDS-PAGE Mass (KDa): | 55-65 |

Immunogen

| | |
|-------------------------------------|---|
| Antibody Immunogen Source: | Human PCTK2 (PCTAIRE2, CDK17) sequence peptide Cat. No.: PE-01BEJ85 |
| Antibody Immunogen Sequence: | CGSQTIDESLSELAEQMTIE |
| Location in Target: | Corresponds to amino acid residues G14 to E32; Post-N-terminus |
| Peptide Type: | For pan-specific recognition of target expression levels. |
| Target Phosphosite: | Not phosphorylated |

Production

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|--|---|
| 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: | 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: | Very weak immunoreactivity of a target-sized protein by Western blotting in mouse testes. |
| Overall Antibody Specificity: | 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, except for medium ~75 and ~30 KDa proteins. Strong ~ 30 KDa cross-reactive protein was also detected in mouse thymus as well as a weaker ~48 KDa protein. |

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)