

AB-PK564

CDK10-pT196 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human protein-serine/threonine kinase CDK10 (PISSLRE)

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



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

Target Protein

Name Long:	Cyclin-dependent protein-serine kinase 10 [PISSLRE]
Alias:	PISSLRE; ENSG00000185324
UniProt ID:	Q15131
Sequence Predicted Mass (KDa):	41.038 (360 AA; Q15131); 32.731 (289 AA; Q15131-2); 32.662 (289 AA; Q15131-7); 31.944 (283 AA; Q15131-3); 30.702 (272 AA; Q15131-4); 21.512 (188 AA; Q15131-5); 17.446 (154 AA; Q15131-6)
Observed SDS-PAGE Mass (KDa):	35-40

Immunogen

Antibody Immunogen Source:	Human CDK10 (PISSLRE) sequence peptide Cat. No.: PE-04AJI90
Antibody Immunogen Sequence:	KPM(pT)PKV(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues K193 to V199; In protein kinase catalytic domain activation T-loop between subdomains VII and VIII.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Thr-196

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. This antibody was also subject to negative purification over phosphotyrosine-agarose.
Antibody Amount:	25 µg
Antibody Concentration:	0.75 mg/ml
Lot Number:	141204
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
Antibody Positive Controls:	Very strong immunoreactivity with immunogen peptide on dot blots.
Detection by Immunoblotting in Cell/Tissue Lysates:	Strong immunoreactivity of a target-sized protein by Western blotting in maturing sea star oocytes.
Overall Antibody Specificity:	High-very high selectivity
Antibody Cross Reactivities:	No significant cross-reactive proteins detected in sea star oocytes.

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)