

AB-PK778

Plk1-pT210 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human protein-serine/threonine kinase Plk1 (PLK)

Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
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Target Protein

Name Long:	Polo-like protein-serine kinase 1
Alias:	ADRB2; Kinase PLK1; PLK; PLK-1; Polo-like kinase 1; Serine- threonine protein kinase 13; STPK13; CCDS10616; ENSG00000166851
UniProt ID:	P53350
Sequence Predicted Mass (KDa):	68.255 (603 AA; P53350)
Observed SDS-PAGE Mass (KDa):	63-68

Immunogen

Antibody Immunogen Source:	Human Plk1 (PLK) sequence peptide Cat. No.: PE-04AKX95
Antibody Immunogen Sequence:	RKK(pT)LCG(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues R207 to G213; In the protein kinase catalytic domain.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Thr-210

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:	141202
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 vertebrates; Phosphosite is highly conserved in diverse species
Overall Antibody Specificity:	Very high selectivity
Antibody Cross Reactivities:	Almost no significant cross-reactivities detected in HepG2 and T98G cells, except in T98G cells, PDGF increases 35 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)