

PE-04AKZ99-P

PLK4 (167-173) pT170 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on Plk4 (SAK; STK18)



KINEXUS

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Target Protein

Name Long:	Polo-like kinase-serine 4 (SAK)
Name Alias:	PLK-4; Polo-like kinase 4; Sak; Serine,threonine-protein kinase 18; Serine/threonine protein kinase Sak; Serine/threonine-protein kinase 18; STK18; CCDS3735.1; O00444; ENSG00000142731
Species Origin:	Human
UniProt ID:	O00444

Peptide Structure

Peptide Name:	PLK4 (167-173) pT170
Peptide Origin:	In protein kinase catalytic domain activation T-loop between subdomains VII and VIII.
Peptide Sequence Location:	K167-G173
Peptide Sequence:	KHY(pT)LCG(bA)C
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated; Includes beta-alanine-cysteine at C-terminus for coupling to KLH or thio-agarose

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1075.1
Observed Peptide Mass:	1073.0
% Peptide Purity:	99.17
Peptide Appearance:	White powder
Peptide Form:	Solid
Peptide Solubility:	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
Lot Number:	KMP04CAW-94
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	Serves as a blocking peptide for use with the Plk4-pT170 rabbit polyclonal antibody (Cat. No.: PK780) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.
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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-KINASES (546-2737)