

PE-04ALT95-P

DNAPK (2606-2612) pT2609 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on DNAPK (PRKDC)



KINEXUS

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Target Protein

Name Long:	DNA-dependent protein kinase catalytic subunit
Name Alias:	DNA-PK catalytic subunit; DNA-PKcs; DNPK1; P460; PRKD; PRKDC; XRCC7; HYRC; HYRC1; p350; ENSG00000121031
Species Origin:	Human
UniProt ID:	P78527

Peptide Structure

Peptide Name:	DNAPK (2606-2612) pT2609
Peptide Origin:	In the mid-region of the protein kinase between the NUC194 and FAT domains.
Peptide Sequence Location:	F2606-S2612
Peptide Sequence:	FVT(pT)QAS(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:	1007.0
Observed Peptide Mass:	1005.1
% Peptide Purity:	96.9
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:	KMP04CAX-05
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 DNAPK-pT2609 rabbit polyclonal antibody (Cat. No.: PK595) 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)