

PE-04ANP99-P

MAPKAPK3 (73-79) pY76 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on MAPKAPK3



KINEXUS

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Target Protein

Name Long:	MAP kinase-activated protein kinase 3
Name Alias:	3PK; 54r; MAPK3; MAPKAP3; Mitogen activated protein kinase activated protein kinase-3; CCDS2832.1; ENSG00000114738
Species Origin:	Human
UniProt ID:	Q16644

Peptide Structure

Peptide Name:	MAPKAPK3 (73-79) pY76
Peptide Origin:	In the protein kinase catalytic domain in subdomain II. This is the major in vivo site of phosphorylation of MAPKAPK3.
Peptide Sequence Location:	K73-P79
Peptide Sequence:	KLL(pY)DSP(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:	1088.2
Observed Peptide Mass:	1089.2
% Peptide Purity:	99
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-53
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 MAPKAPK3-pY76 rabbit polyclonal antibody (Cat. No.: PK692) 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)