PE-04AOI95-P
PAK1 (141-147) pS144 Peptide Powder
9-mer immunogen and phosphatase substrate phosphopeptide based on PAK1 (PAKa)

KINEXUS

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Target Protein

Name Long:	p21-activated kinase 1 alpha; Protein-serine/threonine kinase PAK 1
Name Alias:	ADRB2; Alpha-PAK; CDC42,RAC effector kinase PAK-A; CDC42/RAC effector kinase PAK-A; Kinase PAK1; MUK2; P21 protein (Cdc42/Rac)-activated kinase 1; P65-PAK; STE20, yeast; P68-PAK; PAK 1; PAK-1; PAKA; Protein kinase MUK2; PAKalpha; MGC130000; MGC130001; CCDS8250.1; Q13153; ENSG00000149269
Species Origin:	Human
UniProt ID:	Q13153

Peptide Structure

Peptide Name:	PAK1 (141-147) pS144
Peptide Origin:	Just after the PBD. The major site of phosphorylation of PAK1.
Peptide Sequence Location:	K141-D147
Peptide Sequence:	KYM(pS)FTD(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:	1144.2
Observed Peptide Mass:	1144.4
% Peptide Purity:	95.01
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-72
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	Services as a blocking peptide for use with the PAK1-pS144 rabbit polyclonal antibody (Cat. No.: PK748) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.

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)