PE-04AED99-P

PAK4 (471-477) pS474 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on PAK4

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Target Protein

Name Long:	p21-activated kinase 4
Name Alias:	P21-activated kinase 4; CCDS12528.1; ENSG00000130669
Species Origin:	Human
UniProt ID:	O96013

Peptide Structure

Peptide Name:	PAK4 (471-477) pS474
Peptide Origin:	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Sequence Location:	R471-G477
Peptide Sequence:	RRK(pS)LVG(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:	1068.2
Observed Peptide Mass:	1069.2
% Peptide Purity:	100.0
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:	KMP04CAU-09
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 PAK4-pS474 rabbit polyclonal antibody (Cat. No.: PK752) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.