

# PE-04AOH95-P

## PAK1 (420-426) pT423 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on PAK1 (PAKa)



# KINEXUS

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### Target Protein

<b>Name Long:</b>	p21-activated kinase 1 alpha; Protein-serine/threonine kinase PAK 1
<b>Name Alias:</b>	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
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	Q13153

### Peptide Structure

<b>Peptide Name:</b>	PAK1 (420-426) pT423
<b>Peptide Origin:</b>	In protein kinase catalytic domain activation T-loop between subdomains VII and VIII.
<b>Peptide Sequence Location:</b>	K420-G426
<b>Peptide Sequence:</b>	KRS(pT)MVG(bA)C
<b>Peptide N-Terminus:</b>	Free amino
<b>Peptide C-Terminus:</b>	Amide
<b>Peptide Modifications Other:</b>	Phosphorylated; Includes beta-alanine-cysteine at C-terminus for coupling to KLH or thio-agarose

### Production

<b>Peptide Production Method:</b>	Solid-phase peptide synthesis
<b>Calculated Peptide Mass:</b>	1031.1
<b>Observed Peptide Mass:</b>	1031.4
<b>% Peptide Purity:</b>	96
<b>Peptide Appearance:</b>	White powder
<b>Peptide Form:</b>	Solid
<b>Peptide Solubility:</b>	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
<b>Lot Number:</b>	KMP04CAX-71
<b>Amount:</b>	1 mg
<b>Storage Conditions:</b>	Frozen at -20°C
<b>Storage Stability:</b>	Over 1 year at -20°C

### Applications

<b>Product Use:</b>	Serves as a blocking peptide for use with the PAK1-pT423 rabbit polyclonal antibody (Cat. No.: PK749) 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.

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