

# PE-04AOJ99-P

## PAK2 (138-144) pS141 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on PAK2 (PAKg)



# KINEXUS

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### Target Protein

<b>Name Long:</b>	p21-activated kinase 2 gamma; Protein-serine/threonine kinase PAK 2
<b>Name Alias:</b>	C-t-PAK2; Gamma-PAK; Kinase PAK2; P21 protein (Cdc42/Rac)-activated kinase 2; P21-activated kinase 2; p21-activated protein kinase I; P58; PAK 2; PAK-2; S6/H4 kinase; PAK65; CCDS3321.1; Q6ISC3; ENSG00000180370
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	Q13177

### Peptide Structure

<b>Peptide Name:</b>	PAK2 (138-144) pS141
<b>Peptide Origin:</b>	In the region between the PBD (p21-binding domain) and the kinase catalytic domain in the N-terminal third of the protein.
<b>Peptide Sequence Location:</b>	K138-P144
<b>Peptide Sequence:</b>	KYL(pS)FTP(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>	1108.2
<b>Observed Peptide Mass:</b>	1107.3
<b>% Peptide Purity:</b>	100
<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-73
<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 PAK2-pS141 rabbit polyclonal antibody (Cat. No.: PK750) 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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