

PE-04AWT99-P

PAK1 (245-431) pT427+pY429 Peptide Powder

7-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 (245-431) pT427+pY429
Peptide Origin:	In protein kinase catalytic domain activation T-loop between subdomains VII and VIII.
Peptide Sequence Location:	V245-M431
Peptide Sequence:	VG(pT)P(pY)WM-?
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1228.2
Observed Peptide Mass:	1228.4*
% Peptide Purity:	>98
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:	KLP04CAE-07
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	This phosphopeptide may 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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