

PE-04AOK99-P

PAK2 (127-133) pY130 Peptide Powder

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



KINEXUS

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Target Protein

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|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name Long: | p21-activated kinase 2 gamma; Protein-serine/threonine kinase PAK 2 |
| Name Alias: | 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 |
| Species Origin: | Human |
| UniProt ID: | Q13177 |

Peptide Structure

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| Peptide Name: | PAK2 (127-133) pY130 |
| Peptide Origin: | At the end of the PBD (p21-binding domain) in the N-terminal third of the protein. |
| Peptide Sequence Location: | L127-N133 |
| Peptide Sequence: | LKF(pY)DSN(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

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| Peptide Production Method: | Solid-phase peptide synthesis |
| Calculated Peptide Mass: | 1139.2 |
| Observed Peptide Mass: | 1138.1 |
| % Peptide Purity: | 99.52 |
| 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-74 |
| Amount: | 1 mg |
| Storage Conditions: | Frozen at -20°C |
| Storage Stability: | Over 1 year at -20°C |

Applications

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| Product Use: | Serves as a blocking peptide for use with the PAK2-pY130 rabbit polyclonal antibody (Cat. No.: PK751) 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.

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-866-KINASES (546-2737)