

PE-04ADL99-P

PYK2 (577-583) pY579+pY580 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on PYK2 (PTK2B)



KINEXUS

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Target Protein

| | |
|------------------------|---|
| Name Long: | Protein tyrosine kinase 2 beta |
| Name Alias: | CADTK; CAK beta; CAKB; Calcium-dependent tyrosine kinase; Cell adhesion kinase beta; FADK 2; FADK2, FAK2; FAK2; Related adhesion focal tyrosine kinase; RAFTK |
| Species Origin: | Human |
| UniProt ID: | Q14289 |

Peptide Structure

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| Peptide Name: | PYK2 (577-583) pY579+pY580 |
| Peptide Origin: | In protein kinase catalytic domain activation T-loop between subdomains VII and VIII. |
| Peptide Sequence Location: | E577-S583 |
| Peptide Sequence: | ED(pY)(pY)KAS(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: | 1209.0 |
| Observed Peptide Mass: | 1209.1 |
| % Peptide Purity: | 97.9 |
| 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: | KMP04CAT-37 |
| 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 PYK2-pY579+pY580 rabbit polyclonal antibody (Cat. No.: PK789) 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)