

PE-04AKK95-P

HIPK1 (349-355) pY352 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on HIPK1



KINEXUS

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Target Protein

Name Long:	Homeodomain-interacting protein-serine kinase 1
Name Alias:	HIK1; Homeodomain interacting protein kinase 1; KIAA0630; MGC26642; MGC33446; MGC33548; Myak; Nbak2
Species Origin:	Human
UniProt ID:	Q86Z02

Peptide Structure

Peptide Name:	HIPK1 (349-355) pY352
Peptide Origin:	In protein kinase catalytic domain activation T-loop between subdomains VII and VIII. This is the major in vivo phosphorylation site in HIPK1.
Peptide Sequence Location:	C349-S355
Peptide Sequence:	CST(pY)LQS(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

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1022.0
Observed Peptide Mass:	1055.1
% Peptide Purity:	1053.4
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:	KMP04CAW-79, KMP04CAT-24
Amount:	1 mg
Storage Conditions:	Frozen at -20 °C
Storage Stability:	Over 1 year at -20 °C

Applications

Product Use:	Serves as a blocking peptide for use with the HIPK1-pY352 rabbit polyclonal antibody (Cat. No.: PK654) 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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