

# PE-04AHY99-P

## Yes (219-226) pY222+pY223 Peptide Powder

10-mer immunogen and phosphatase substrate phosphopeptide based on Yes



# KINEXUS

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### Target Protein

<b>Name Long:</b>	Yamaguchi sarcoma proto-oncogene-encoded tyrosine kinase
<b>Name Alias:</b>	c-Yes; HsT441; p61-Yes; CCDS11824.1; ENSG00000176105
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	P07947

### Peptide Structure

<b>Peptide Name:</b>	Yes (219-226) pY222+pY223
<b>Peptide Origin:</b>	In the SH2 domain. One of the two major in vivo phosphorylation sites in Yes.
<b>Peptide Sequence Location:</b>	N219-T226
<b>Peptide Sequence:</b>	NGG(pY)(pY)ITT(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>	1221.1
<b>Observed Peptide Mass:</b>	1222
<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>	KMP04CAW-15
<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 Yes-pY222+pY223 rabbit polyclonal antibody (Cat. No.: PK858) 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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