

# PE-04AGY99-P

## ErbB3 (1325-1331) pY1328 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on ErbB3 (HER3)



# KINEXUS

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### Target Protein

<b>Name Long:</b>	ErbB3 (HER3) receptor-tyrosine kinase
<b>Name Alias:</b>	C-erbB3; ERB3; HER3; Kinase ErbB3; LCCS2; Receptor protein-tyrosine kinase erbB-3 precursor; Tyrosine kinase-type cell surface receptor HER3; V-erb-b2 erythroblastic leukemia viral oncogene 3; ErbB-3; c-erbB3; erbB3-S; MDA-BF-1; MGC88033; c-erbB-3; p180-ErbB3; p45-sErbB3; p85-sErbB3; ENSG00000065361; O75810; O75811; O75812; O75813; Q9BUD7; Q9NNX2; Q9NNX3
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	P21860

### Peptide Structure

<b>Peptide Name:</b>	ErbB3 (1325-1331) pY1328
<b>Peptide Origin:</b>	In the cytoplasmic region of ErbB3 near the C-terminus after the kinase catalytic domain. This is one of the major in vivo phosphorylation sites in ErbB3.
<b>Peptide Sequence Location:</b>	N1325-S1331
<b>Peptide Sequence:</b>	NPD(pY)WHS(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>	1172.1
<b>Observed Peptide Mass:</b>	1170.9
<b>% Peptide Purity:</b>	100.0
<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>	KMP04CAV-45
<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 ErbB3-pY1328 rabbit polyclonal antibody (Cat. No.: PK618) 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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