

# PE-04AKE90-P

## ErbB2 (874-880) pY877 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on ErbB2 (HER2, Neu)



**KINEXUS**

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### Target Protein

<b>Name Long:</b>	ErbB2 (Neu) receptor-tyrosine kinase
<b>Name Alias:</b>	CD340; C-erbB-2; Epidermal growth factor receptor-related protein; ErbB2; HER2; HER-2; Kinase ErbB2; MLN 19; V-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian); TKR1; hCG_28177; ENSG00000141736; Q9NP09; Q9UK79
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	P04626

### Peptide Structure

<b>Peptide Name:</b>	ErbB2 (874-880) pY877
<b>Peptide Origin:</b>	In protein kinase catalytic domain activation T-loop between subdomains VII and VIII.
<b>Peptide Sequence Location:</b>	E874-D880
<b>Peptide Sequence:</b>	ETE(pY)HAD(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>	1118.0
<b>Observed Peptide Mass:</b>	1116.4
<b>% Peptide Purity:</b>	92.12
<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-73
<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 ErbB2-pY877 rabbit polyclonal antibody (Cat. No.: PK615) 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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