PE-04AGZ95-P

ErbB3 (1286-1292) pY1289 Peptide Powder

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

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Target Protein

Name Long:	ErbB3 (HER3) receptor-tyrosine kinase
Name Alias:	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
Species Origin:	Human
UniProt ID:	P21860

Peptide Structure

Peptide Name:	ErbB3 (1286-1292) pY1289
Peptide Origin:	In the cytoplasmic region of ErbB3 near the C-terminus after the kinase catalytic domain. This is the major in vivo phosphorylation sites in ErbB3.
Peptide Sequence Location:	E1286-M1292
Peptide Sequence:	EQG(pY)EEM(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:	1139.08
Observed Peptide Mass:	1137.6
% Peptide Purity:	95.9
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:	KMP04CAV-46
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	Services as a blocking peptide for use with the ErbB3-pY1289 rabbit polyclonal antibody (Cat. No.: PK616) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.