PE-04AMC95-P
ErbB2 (732-739) pY735 Peptide Powder

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

Target Protein

Name Long:	ErbB2 (Neu) receptor-tyrosine kinase
Name Alias:	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
Species Origin:	Human
UniProt ID:	P04626

Peptide Structure

Peptide Name:	ErbB2 (732-739) pY735
Peptide Origin:	In the region between the transmembrane and kinase catalytic domains. One of the major in vivo sites of phosphorylation in ErbB2.
Peptide Sequence Location:	G732-W739
Peptide Sequence:	GTV(pY)KGIW(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:	1177.24
Observed Peptide Mass:	1175.3
% Peptide Purity:	95.0
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:	KMP04CAX-15
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 ErbB2-pY735 rabbit polyclonal antibody (Cat. No.: PK614) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.