

PE-04AER99-P

ErbB2IP (1101-1107) pY1104 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on ERBB2IP (Erbin)



KINEXUS

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Target Protein

Name Long:	Protein LAP2
Name Alias:	Densin-180-like protein; erbb2 interacting protein; Erbb2-interacting protein; ERBB2IP; ERBIN; KIAA1225; LAP2; Protein LAP2
Species Origin:	Human
UniProt ID:	Q96RT1

Peptide Structure

Peptide Name:	ErbB2IP (1101-1107) pY1104
Peptide Origin:	In the C-terminal quarter of the protein before the PDZ domain. The major in vivo phosphorylation site in ERBB2IP.
Peptide Sequence Location:	E1101-Y1107
Peptide Sequence:	EGD(pY)LSY(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:	1099.0
Observed Peptide Mass:	1098.8
% Peptide Purity:	99.4
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:	KMP04CAU-23
Amount:	1 mg
Storage Conditions:	Frozen at -20 °C
Storage Stability:	Over 1 year at -20 °C

Applications

Product Use:	Serves as a blocking peptide for use with the ERBB2IP-pY1104 rabbit polyclonal antibody (Cat. No.: PN513) 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.

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-866-KINASES (546-2737)