PE-04AHS90-P
RAF1 (298-305) pS301+pT303 Peptide Powder

10-mer immunogen and phosphatase substrate phosphopeptide based on Raf1 (RafC)

KINEXUS

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Target Protein

Name Long:	Raf1 proto-oncogene-encoded protein-serine kinase
Name Alias:	cRAF; c-RAF; c-Raf; Kinase Raf1; Murine leukemia viral (V-raf-1) oncogene homologue 1; NS5; Protein kinase raf 1; Raf proto-oncogene serine/threonine-protein kinase; RAF1; V-raf-1 murine leukemia viral oncogene 1; CCDS2612.1; ENSG00000132155; B4E1N6; Q59HC8
Species Origin:	Human
UniProt ID:	P04049

Peptide Structure

Peptide Name:	RAF1 (298-305) pS301+pT303
Peptide Origin:	In the region between the C1_1 and kinase catalytic domains. This is the major in vivo phosphorylation sites in Raf1.
Peptide Sequence Location:	N298-W305
Peptide Sequence:	NNL(pS)P(pT)GW(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:	1221.1
Observed Peptide Mass:	1222.9
% Peptide Purity:	91.8
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:	KMP04CAW-09
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 Raf1-pS301+pT303 rabbit polyclonal antibody (Cat. No.: PK792) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.

This product is for in vitro research use only and is not intended for use in humans or animals.

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