

PE-04ALA99-P

RAF1 (256-262) pS259 Peptide Powder

9-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 (256-262) pS259
Peptide Origin:	In the region between the C1_1 and kinase catalytic domains. This is the major in vivo phosphorylation site in Raf1.
Peptide Sequence Location:	R256-N262
Peptide Sequence:	RST(pS)TPN(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:	1016.0
Observed Peptide Mass:	1013.8
% Peptide Purity:	97.85
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-95
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 Raf1-pS259 rabbit polyclonal antibody (Cat. No.: PK790) 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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