

PE-04APL99-P

ROCK1 (910-916) pY913 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on ROCK1 (ROKb)



KINEXUS

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Target Protein

Name Long:	Rho-associated protein kinase 1
Name Alias:	Kinase ROCK1 ;p160ROCK; Rho-associated, coiled-coil containing protein kinase 1; Rho-associated, coiled-coil forming protein kinase p160 ROCK-1; ROCK-I; ROK-beta
Species Origin:	Human
UniProt ID:	Q13464

Peptide Structure

Peptide Name:	ROCK1 (910-916) pY913
Peptide Origin:	Just before the Rho-Binding domain. This is the major in vivo phosphorylation site in ROCK1.
Peptide Sequence Location:	E910-L916
Peptide Sequence:	EEQ(pY)FEL(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:	1210.2
Observed Peptide Mass:	1209
% Peptide Purity:	100
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-101
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 ROCK1-pY913 rabbit polyclonal antibody (Cat. No.: PK798) 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)