

PE-04ATK95-P

ERK1 (204-209) pY204 Peptide Powder

8-mer immunogen and phosphatase substrate phosphopeptide based on ERK1 (MAPK3)



KINEXUS

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Target Protein

Name Long:	Extracellular regulated protein-serine kinase 1 (p44 MAP kinase)
Name Alias:	ERK-1; ERT2; Insulin-stimulated MAP2 kinase; Kinase ERK1; MAP kinase 1; MAPK 1; MAPK1; MAPK3; PRKM3; p44ERK1; p44MAPK; MGC20180; ENSG00000102882
Species Origin:	Human
UniProt ID:	P27361

Peptide Structure

Peptide Name:	ERK1 (204-209) pY204
Peptide Origin:	In activation T-loop between kinase catalytic subdomains VII and VIII
Peptide Sequence Location:	Y204-W209
Peptide Sequence:	C(bA)(pY)VATRW
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated; Includes cysteine-beta-alanine at N-terminus for coupling to KLH or thio-agarose

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1048.1
Observed Peptide Mass:	1049.9
% Peptide Purity:	>96
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:	KSP04CAW
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 ERK1-pY204 rabbit polyclonal antibody (Cat. No.: PK864) 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)