PE-04ATT01-S

ERK5 (213-220) pY216+pT219 Peptide Solution

8-mer immunogen and phosphatase substrate phosphopeptide based on ERK5 (MAPK7)

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Target Protein

Name Long:	Extracellular regulated protein-serine kinase 5 (Big MAP kinase 1 (BMK1))
Name Alias:	BMK; BMK1; BMK1 kinase; ERK4; ERK-5; Extracellular-signal-regulated kinase 5; Kinase ERK5; MAPK7; PRKM7; ENSG00000166484
Species Origin:	Human
UniProt ID:	Q13164

Peptide Structure

Peptide Name:	ERK5 (213-220) pY216+pT219
Peptide Origin:	In protein kinase catalytic domain activation T-loop between subdomains VII and VIII.
Peptide Sequence Location:	E213-E220
Peptide Sequence:	EHQ(pY)FM(pT)E
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated

Production

Peptide Production Method:	Solid-phase peptide synthesis
% Peptide Purity:	Spot
Peptide Appearance:	Clear liquid
Peptide Form:	Solution
Peptide Solubility:	Supplied at 1 mg/ml concentration in 5% DMSO in water
Lot Number:	KMP04CAH-51
Amount:	250 µg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 6 months at -20°C and 1 mg/ml concentration

Applications

Product Use:	This phosphopeptide may be useful as a substrate for screening the phosphatase activity of protein phosphatases.