

PE-04AWF95-P

MAPKAPK2 (219-232)

pT222+pY225+pT226+pY228+pY229

Peptide Powder

14-mer immunogen and phosphatase substrate phosphopeptide based on MAPKAPK2



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Target Protein

Name Long:	Mitogen-activated protein kinase-activated protein kinase 2
Name Alias:	MAP kinase-activated protein kinase 2; MAPK2; MAPKAP kinase 2; MK2; RPS6KC1; ENSG00000162889
Species Origin:	Human
UniProt ID:	P49137

Peptide Structure

Peptide Name:	MAPKAPK2 (219-232) pT222+pY225+pT226+pY228+pY229
Peptide Origin:	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Sequence Location:	S219-P232
Peptide Sequence:	SLT(pT)PC(pY)(pT)P(pY)(pY)VAP
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	2191
Observed Peptide Mass:	2191.8*
% Peptide Purity:	> 95
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:	KLP04CAD-01
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	This phosphopeptide may 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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