

PE-04ANV99-P

MEK5 (308-314) pS311 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on MEK5 (MAP2K5, MKK5)



KINEXUS

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Target Protein

Name Long:	MAPK/ERK protein-serine kinase 5 (MKK5); Dual specificity mitogen-activated protein kinase kinase 5
Name Alias:	CXA1; HsT17454; MAP kinase kinase 5; MAP2K5; MAPK,ERK kinase 5; MAPK/ERK kinase 5; MAPKK5; MKK5; PRKMK5; HsT17454; ENSG00000137764
Species Origin:	Human
UniProt ID:	Q13163

Peptide Structure

Peptide Name:	MEK5 (308-314) pS311
Peptide Origin:	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Sequence Location:	L308-K314
Peptide Sequence:	LVN(pS)IAK(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:	997.1
Observed Peptide Mass:	997.4
% 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-59
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 MEK5-pS311 rabbit polyclonal antibody (Cat. No.: PK699) 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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