

PE-04AQS99-P

MBP (228-235) pT232 Peptide Powder

10-mer immunogen and phosphatase substrate phosphopeptide based on MBP



KINEXUS

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Target Protein

Name Long:	Myelin basic protein
Name Alias:	MGC99675; Myelin A1 protein; Myelin basic protein; Myelin membrane encephalitogenic protein
Species Origin:	Human
UniProt ID:	P02686

Peptide Structure

Peptide Name:	MBP (228-235) pT232
Peptide Origin:	In the middle of the Myelin_MBP domain in the C-terminal half of the protein. This is the main phosphosite targeted by the ERK1 and ERK2 MAP kinases.
Peptide Sequence Location:	V228-P235
Peptide Sequence:	VTPR(pT)PPP(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:	1117.2
Observed Peptide Mass:	1117.5
% Peptide Purity:	100.0
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:	KMP04CAY-02
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 MBP-pT232 rabbit polyclonal antibody (Cat. No.: PN558) 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)