

PE-04AJB90-P

CaMK2a (282-289) pT286 Peptide Powder

8-mer immunogen and phosphatase substrate phosphopeptide based on CaMK2a



KINEXUS

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Target Protein

Name Long:	Calcium/calmodulin-dependent protein-serine kinase 2 alpha
Name Alias:	Calcium/calmodulin-dependent protein kinase II alpha; Calcium/calmodulin-dependent protein kinase II alpha-B subunit; Calcium/calmodulin-dependent protein kinase type II alpha chain; CaM kinase II alpha subunit; CaMK2-alpha; CAMKA; CaMK-II alpha subunit; CaMKII-alpha; CaMKIINalpha; Kinase CaMK2-alpha; CaM-kinase II alpha chain; EC 2.7.11.17; KCC2A; KIAA0968
Species Origin:	Human
UniProt ID:	Q9UQM7

Peptide Structure

Peptide Name:	CaMK2a (282-289) pT286
Peptide Origin:	In the region between the kinase catalytic domain and the CamKII-AD domains. The major site of in vivo phosphorylation of CaMK2a.
Peptide Sequence Location:	H282-C289
Peptide Sequence:	HRQE(pT)VDC
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1137.1
Observed Peptide Mass:	1136.9
% Peptide Purity:	89.7
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:	KMP04CAW-44
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 CaMK2a-pT286 rabbit polyclonal antibody (Cat. No.: PK555) 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)