PE-04AHE95-P
PKM2 (387-393) pY390 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on PKM2

Target Protein

Name Long:	Pyruvate kinase isozymes M1/M2
Name Alias:	CTHBP; Cytosolic thyroid hormone-binding protein; KPYM; MGC3932; OIP-3; OIP3; Opa-interacting protein 3; p58; PK, muscle type; PK2; PK3; PKM; PKM2; Pyruvate kinase 2/3; Pyruvate kinase isozymes M1/M2; Pyruvate kinase muscle isozyme; pyruvate kinase, muscle; TCB; THBP1; Thyroid hormone-binding protein 1; thyroid hormone-binding protein, cytosolic; tumour M2-PK
Species Origin:	Human
UniProt ID:	P14618

Peptide Structure

Peptide Name:	PKM2 (387-393) pY390
Peptide Origin:	At the end of the PK domain. A major phosphorylation site in PKM2.
Peptide Sequence Location:	A387-Q393
Peptide Sequence:	AAI(pY)HLQ(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:	1069.12
Observed Peptide Mass:	1067.5
% Peptide Purity:	97.2
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:	KMP04CAV-51
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	Services as a blocking peptide for use with the PKM2-pY390 rabbit polyclonal antibody (Cat. No.: PN529) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.