

PE-04APX95-P

TAO1 (306-312) pY309 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on TAO1 (TAOK1)



KINEXUS

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Target Protein

Name Long:	Serine/threonine-protein kinase TAO1
Name Alias:	FLJ14314; HKFC-B; KIAA1361; MAP3K16; MARKK; PSK2; STE20-like kinase PSK2; TAOK1; TAO kinase 1; KFC-B; MARKK; h KFC-B; ENSG00000160551
Species Origin:	Human
UniProt ID:	Q7L7X3

Peptide Structure

Peptide Name:	TAO1 (306-312) pY309
Peptide Origin:	Just after the kinase catalytic domain. This is the major in vivo site of phosphorylation on TAO1.
Peptide Sequence Location:	N306-M312
Peptide Sequence:	NLQ(pY)RKM(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:	1205.3
Observed Peptide Mass:	1204.5
% Peptide Purity:	96.23
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-113
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 TAO1-pY309 rabbit polyclonal antibody (Cat. No.: PK827) 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)