

PE-04ALF99-P

TAO1 (178-184) pS181 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 (178-184) pS181
Peptide Origin:	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Sequence Location:	P178-G184
Peptide Sequence:	PAN(pS)FVG(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:	944.9
Observed Peptide Mass:	942.6
% 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:	KMP04CAW-100
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-pS181 rabbit polyclonal antibody (Cat. No.: PK826) 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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