PE-04AGX99-P

A6 (306-312) pY309 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on A6 (Twinfilin-1)

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Target Protein

Name Long:	Twinfilin, actin-binding protein, 1; Protein tyrosine kinase 9;
Name Alias:	TWF1; PTK9
Species Origin:	Human
UniProt ID:	Q12792

Peptide Structure

Peptide Name:	A6 (306-312) pY309
Peptide Origin:	In the end of the Cofilin_ADF domain. The major site of phosphorylation of A6.
Peptide Sequence Location:	D306-V312
Peptide Sequence:	DFL(pY)EEV(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:	1168.14
Observed Peptide Mass:	1167.2
% Peptide Purity:	99.3
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-44
Amount:	1 mg
Storage Conditions:	Frozen at -20℃
Storage Stability:	Over 1 year at -20℃

Applications

Product Use:	Services as a blocking peptide for use with the A6-pY309 rabbit polyclonal antibody (Cat. No.: PK501) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.