

PE-04AQO95-P

WNK1 (2242-2248) pT2245 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on WNK1



KINEXUS

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Target Protein

Name Long:	Serine/threonine-protein kinase WNK2
Name Alias:	HSAN2; HSN2; KDP; KIAA0344; MGC163339; MGC163341; p65; PRKWNK1; Protein kinase with no lysine 1; Protein kinase, lysine-deficient 1; PSK; PHA2C; CCDS8506.1; ENSG00000060237
Species Origin:	Human
UniProt ID:	Q9H4A3

Peptide Structure

Peptide Name:	WNK1 (2242-2248) pT2245
Peptide Origin:	In the C-terminal region of WNK1. This is the major in vivo phosphorylation site in WNK1.
Peptide Sequence Location:	R2242-D2248
Peptide Sequence:	RKG(pT)FTD(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:	1077.1
Observed Peptide Mass:	1076
% Peptide Purity:	93.72
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-130
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 WNK1-pT2245 rabbit polyclonal antibody (Cat. No.: PK857) 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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