PE-04AHW95-P
TRKC (706-713) pY709+pY710 Peptide Powder

10-mer immunogen and phosphatase substrate phosphopeptide
based on TrkC (NTRK3)

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Target Protein

Name Long:	NT-3 growth factor receptor
Name Alias:	GP145-TrkC; Kinase TrkC; Neurotrophic tyrosine kinase receptor 3; Neurotrophic tyrosine kinase, receptor, type 3; Neurotrophin-3 receptor non-catalytic isoform 1; NT-3 growth factor receptor; NTRK3; TRKC; TrkC tyrosine kinase; gp145(trkC); CCDS10340.1; ENSG00000140538
Species Origin:	Human
UniProt ID:	Q16288

Peptide Structure

Peptide Name:	TRKC (706-713) pY709+pY710
Peptide Origin:	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Sequence Location:	S706-F713
Peptide Sequence:	STD(pY)(pY)RLF(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:	1397.3
Observed Peptide Mass:	1398.5
% Peptide Purity:	96.5
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-13
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 TrkC-pY709+pY710 rabbit polyclonal antibody (Cat. No.: PK840) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.

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)