

PE-04AFH95-P

ARG (437-443) pY439+pT440 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on Abl2 (Arg)



KINEXUS

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Target Protein

Name Long:	Abelson murine leukemia viral oncogene homologue 2
Name Alias:	Abelson-related gene; ABLL; ARG; Kinase Arg; Tyrosine kinase ARG; v-Abl Abelson murine leukemia viral oncogene 2; v-Abl Abelson murine leukemia viral oncogene homologue 2; hCG_23565; FLJ22224; FLJ31718; FLJ41441; RP11-177A2_3; ENSG00000143322; D1MPS6
Species Origin:	Human
UniProt ID:	P42684

Peptide Structure

Peptide Name:	ARG (437-443) pY439+pT440
Peptide Origin:	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Sequence Location:	D437-A443
Peptide Sequence:	DT(pY)(pT)AHA(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:	1111.0
Observed Peptide Mass:	1111.2
% Peptide Purity:	94.0
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:	KMP04CAU-39
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 Abl2-pY439+pT440 rabbit polyclonal antibody (Cat. No.: PK510) 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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