

PE-04ARP55-P

LCK (257-268) pY263+pY264 Peptide Powder

14-mer immunogen and phosphatase substrate phosphopeptide based on Lck



KINEXUS

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Target Protein

Name Long:	Lymphocyte-specific protein-tyrosine kinase; Proto-oncogene tyrosine-protein kinase LCK
Name Alias:	LSK; LSK-T; p56-LCK; pp58Lck; RP4-675E8.4; LSK (T-cell specific protein-tyrosine kinase; lck tyrosine kinase; membrane associated protein tyrosine kinase; proto-oncogene LCK; put.ptk; YT16; ENSG00000182866
Species Origin:	Human
UniProt ID:	P06239

Peptide Structure

Peptide Name:	LCK (257-268) pY263+pY264
Peptide Origin:	In the kinase catalytic domain between subdomains I and II.
Peptide Sequence Location:	G257-T268
Peptide Sequence:	GEVWMG(pY)(pY)NGHT(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:	1788.72
Observed Peptide Mass:	1787.8
% Peptide Purity:	55
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:	KLP04CAG-19
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 Lck-pY263+pY264 rabbit polyclonal antibody (Cat. No.: PK680) 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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