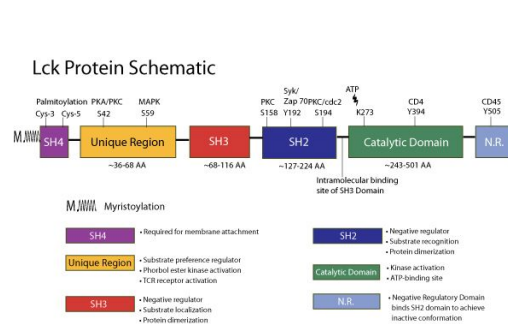


Phospho-LCK (Tyr505) Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic phosphopeptide from human Lck containing tyrosine 505 (based on Swiss Protein database, accession number P06239). The sequence is conserved in mouse.
Form	Liquid
Purification	Antigen affinity chromatography
Storage buffer	Dulbecco's PBS, pH 7.3, with 50% glycerol, 1mg/mL BSA
Contains	0.05% sodium azide
Storage Conditions	-20°C
RRID	AB_2533779

Applications	Tested	Dilution	Published
Miscellaneous PubMed (MISC)	-	1:1000	1 Publication
Western Blot (WB)	✓	1:1000	

Product Images For Phospho-LCK (Tyr505) Polyclonal Antibody



Phospho-LCK (Tyr505) Antibody (44-850G)

Lck Protein Schematic-Lck is a 56 kDa, membrane-associated, non-receptor tyrosine kinase belonging to the Src family that plays a critical role in T-cell antigen receptor (TCR) signaling, inducing T-lymphocyte development, activation, proliferation and survival. Lck has been implicated in various diseases including cancer development and metastasis, viral infections relating to HIV, heart disease, and osteoclast-mediated bone resorption. Lck is regulated by phosphorylation on multiple residues including Ser-194 in the SH2 domain, Tyr-394 (autophosphorylation site) within the activation loop of the catalytic domain, and Tyr-505 (inhibitory site) near the C-terminus. TCR requires Lck for thymocyte differentiation and activation. Additionally, Lck is implicated in JAK and STAT signaling, which are constitutively activated in cells overexpressing Lck.

Miscellaneous PubMed (1)

Frontiers in microbiology

A reverse-phase protein microarray-based screen identifies host signaling dynamics upon Burkholderia spp. infection.

"44-850G was used to identify host signaling dynamics upon Burkholderia spp. infection by a reverse-phase protein microarray-based screen"

Authors: Chiang CY,Uzoma I,Lane DJ,Memisevi V,Alem F,Yao K,Kota KP,Bavari S,Wallqvist A,Hakami RM,Panchal RG

Species
Not Applicable

Dilution
1:1000

Year
2015

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