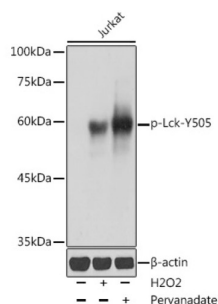
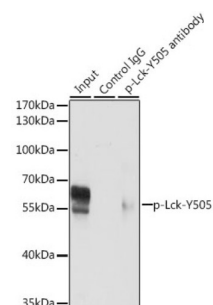


LCK (pY505) Antibody

Catalogue No.: abx000336



Western blot analysis of lysates from Jurkat cells, using Phospho-Lck-Y505 Antibody at 1/1000 dilution. Jurkat cells were treated by Hydrogen Peroxide (2 mM) at 37 °C for 2 minutes or treated by Pervanadate (1 mM) at 37 °C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 1s.



Immunoprecipitation analysis of 200 µg extracts of Jurkat cells, using 3 µg Phospho-Lck-Y505 antibody. Western blot was performed from the immunoprecipitate using Phospho-Lck-Y505 antibody at a dilution of 1/1000. Jurkat cells were treated by Hydrogen Peroxide (2 mM) at 37 °C for 2 minutes after serum-starvation overnight.

LCK (pY505) Antibody is a Rabbit Polyclonal antibody against LCK (pY505). This gene is a member of the Src family of protein tyrosine kinases (pYKs). The encoded protein is a key signaling molecule in the selection and maturation of developing T-cells. It contains N-terminal sites for myristylation and palmitoylation, a PTK domain, and SH2 and SH3 domains which are involved in mediating protein-protein interactions with phosphotyrosine-containing and proline-rich motifs, respectively. The protein localizes to the plasma membrane and pericentrosomal vesicles, and binds to cell surface receptors, including CD4 and CD8, and other signaling molecules. Multiple alternatively spliced variants, encoding the same protein, have been described.

Target: LCK (pY505)

Clonality: Polyclonal

Reactivity: Human

Tested Applications: ELISA, WB, IP

Host: Rabbit

Recommended dilutions: ELISA: 1 µg/ml, WB: 1/500 - 1/1000, IP: 0.5 µg - 4 µg antibody per 200 µg - 400 µg extracts of whole cells. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: A synthetic phosphorylated peptide around Y505 of human Lck.

Isotype: IgG

Datasheet

Version: 4.0.0
Revision date: 27 Jun 2025



Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P06239 (UniProt , ExPASy)
Gene Symbol:	LCK
GeneID:	3932
NCBI Accession:	NP_001036236.1
KEGG:	hsa:3932
String:	9606.ENSP00000337825
Molecular Weight:	Calculated MW: 58 kDa Observed MW: 56 kDa
Buffer:	PBS, pH 7.3, containing 0.01% thimerosal, 50% glycerol.
Concentration:	> 0.2 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.