

# Phospho-Lck-Y505 Rabbit pAb

Catalog No.: AP0285

## Basic Information

### Observed MW

56kDa

### Calculated MW

58kDa

### Category

Primary antibody

### Applications

ELISA, WB, IP

### Cross-Reactivity

Human

## Background

This gene is a member of the Src family of protein tyrosine kinases (PTKs). 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 different isoforms have been described.

## Recommended Dilutions

**WB** 1:500 - 1:1000

**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells

## Immunogen Information

### Gene ID

3932

### Swiss Prot

P06239

### Immunogen

A synthetic phosphorylated peptide around Y505 of human Lck (NP\_001036236.1).

### Synonyms

LSK; YT16; IMD22; p56lck; pp58lck; Phospho-Lck-Y505

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

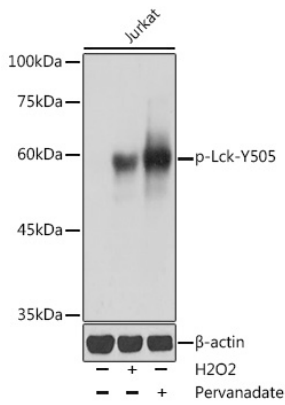
Affinity purification

### Storage

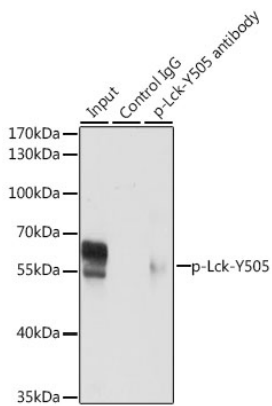
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of lysates from Jurkat cells, using Phospho-Lck-Y505 Rabbit pAb (AP0285) 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) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 1s.



Immunoprecipitation analysis of 200 µg extracts of Jurkat cells, using 3 µg Phospho-Lck-Y505 pAb (AP0285). Western blot was performed from the immunoprecipitate using Phospho-Lck-Y505 pAb (AP0285) 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.