

Phospho-Lck-Y505 Rabbit pAb

Catalog No.: AP0285

Basic Information

Observed MW

56kDa

Calculated MW

58kDa

Category

Primary antibody

Applications

WB,IP,ELISA

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

ELISA Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on
your specific assay
requirements.

Contact

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Immunogen Information

Gene ID

3932

Swiss Prot

P06239

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

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

Product Information

Source

Rabbit

Isotype

IgG

Purification

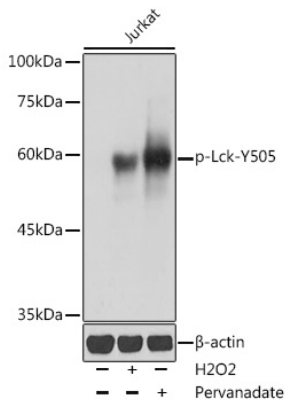
Affinity purification

Storage

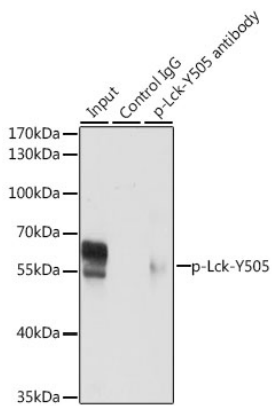
Store at -20°C. Avoid freeze / thaw cycles.

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 with Hydrogen Peroxide (2 mM) at 37°C for 2 minutes or treated with 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 with Hydrogen Peroxide (2 mM) at 37°C for 2 minutes after serum-starvation overnight.