

Phospho-Lck-Y505 polyclonal antibody

Catalog: BS79364

Host: Rabbit

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 palmitylation, 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.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

56KDa

Swiss-Prot:

P06239

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB, 1:500 - 1:2000 | IP, 1:50 - 1:100

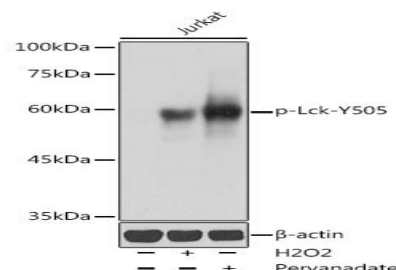
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

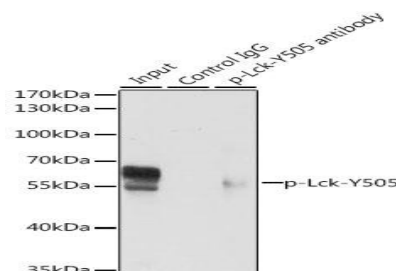
Modification:

Phosphorylated

DATA:



Western blot analysis of extracts of Jurkat cells, using Phospho-Lck-Y505 antibody at 1:1000 dilution. Jurkat cells were treated by Hydrogen Peroxide at 37 °C for 2 minutes after serum-starvation overnight. Jurkat cells were treated by Pervanadate at 37 °C for 30 minutes. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 1s.



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

Note:

For research use only, not for use in diagnostic procedure.

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