Anti-Phospho-Lck (Tyr505) Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P108701

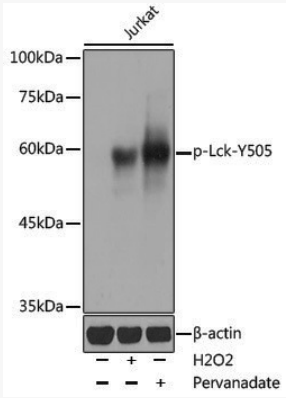
Product Information

Application	WB, IP, ELISA
Reactivity	Human
Dilution	WB 1:500~1:1000; IP 0.5μg-4μg antibody for 200μg-400μg extracts of whole cells
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphorylated peptide around Y505 of human Lck (NP_001036236.1).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-Lck (Tyr505) Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

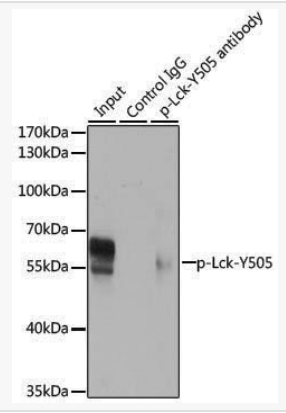
Protein Information

Synonyms	LSK; YT16; IMD22; p56lck; pp58lck; Phospho-Lck-Y505.
Calculated MW	Calculated MW: 58 kDa; Observed MW: 56 kDa
Uniprot ID	P06239
Gene ID	3932
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.

Validation Images



Western blot analysis of lysates from Jurkat cells, using Phospho-Lck-Y505 Rabbit pAb (P108701) at 1:1,000 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) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit.
Exposure time: 1s.



Immunoprecipitation analysis of 200 µg extracts of Jurkat cells, using 3 µg Phospho-Lck-Y505 pAb (P108701). Western blot was performed from the immunoprecipitate using Phospho-Lck-Y505 pAb (P108701) 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.