

**Lck (phospho Ser540) rabbit pAb****Cat#: orb768968 (Manual)**

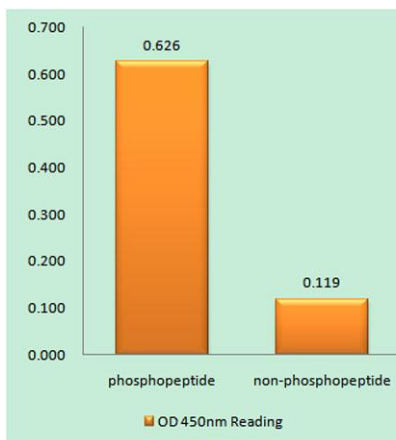
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|---------------------------------|--|
| <b>Product Name</b>             | Lck (phospho Ser540) rabbit pAb  |
| <b>Host species</b>             | Rabbit   |
| <b>Applications</b>             | WB;ELISA   |
| <b>Species Cross-Reactivity</b> | Human;Mouse;Rat  |
| <b>Recommended dilutions</b>    | Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.  |
| <b>Immunogen</b>                | The antiserum was produced against synthesized peptide derived from human LCK around the phosphorylation site of Ser59. AA range:26-75 |
| <b>Specificity</b>              | Phospho-Lck (S540) Polyclonal Antibody detects endogenous levels of Lck protein only when phosphorylated at S540.                      |
| <b>Formulation</b>              | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..   |
| <b>Storage</b>                  | Store at -20°C. Avoid repeated freeze-thaw cycles.   |
| <b>Protein Name</b>             | Tyrosine-protein kinase Lck  |
| <b>Gene Name</b>                | LCK  |
| <b>Cellular localization</b>    | Cell membrane ; Lipid-anchor ; Cytoplasmic side . Cytoplasm, cytosol . Present in lipid rafts in an inactive form. .                   |
| <b>Purification</b>             | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                  |
| <b>Clonality</b>                | Polyclonal   |

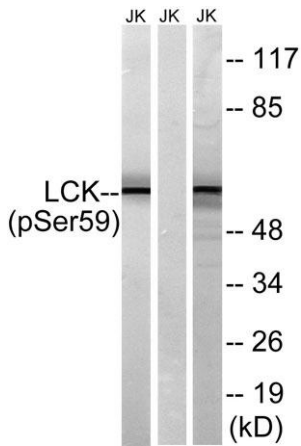
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| <b>Concentration</b>           | 1 mg/ml  |
| <b>Observed band</b>           | 58kD   |
| <b>Human Gene ID</b>           | 3932   |
| <b>Human Swiss-Prot Number</b> | P06239   |
| <b>Alternative Names</b>       | LCK; Tyrosine-protein kinase Lck; Leukocyte C-terminal Src kinase; LSK; Lymphocyte cell-specific protein-tyrosine kinase; Protein YT16; Proto-oncogene Lck; T cell-specific protein-tyrosine kinase; p56-LCK |

**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. [provided by RefSeq, Aug 2016],



**Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using LCK (Phospho-Ser59) Antibody**



**Western blot analysis of lysates from Jurkat cells treated with IFN 2500U/ML 30', using LCK (Phospho-Ser59) Antibody. The lane on the right is blocked with the phospho peptide.**