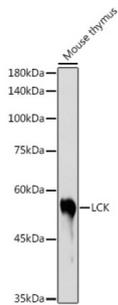
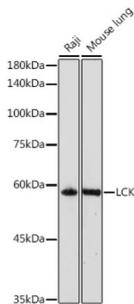


## Proto-Oncogene Tyrosine-Protein Kinase LCK (LCK) Antibody

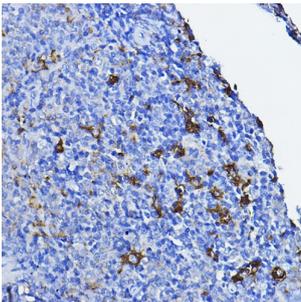
Catalogue No.: abx001789



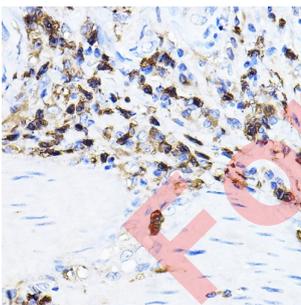
Western blot analysis of lysates from Mouse thymus, using LCK Antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 30s.



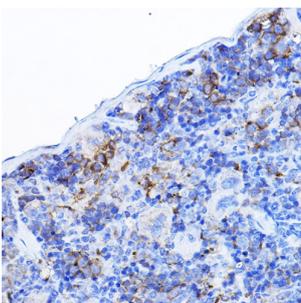
Western blot analysis of various lysates using LCK Antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 90s.



Immunohistochemistry analysis of paraffin-embedded Rat spleen using LCK Antibody at dilution of 1/100 (40x lens). High pressure antigen retrieval performed in 0.01 M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human esophageal cancer using LCK Antibody at dilution of 1/100 (40x lens). High pressure antigen retrieval performed in 0.01 M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse spleen using LCK Antibody at dilution of 1/100 (40x lens). High pressure antigen retrieval performed in 0.01 M Citrate buffer (pH 6.0) prior to IHC staining.

LCK Antibody is a Rabbit Polyclonal antibody against LCK. 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 the same protein, have been described.

|                               |  |
|-------------------------------|--|
| <b>Target:</b>                | Proto-Oncogene Tyrosine-Protein Kinase LCK (LCK)   |
| <b>Clonality:</b>             | Polyclonal   |
| <b>Reactivity:</b>            | Human, Mouse, Rat  |
| <b>Tested Applications:</b>   | ELISA, WB, IHC   |
| <b>Host:</b>                  | Rabbit   |
| <b>Recommended dilutions:</b> | ELISA: 1 µg/ml, WB: 1/500 - 1/1000, IHC-P: 1/50 - 1/200. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user. |
| <b>Conjugation:</b>           | Unconjugated   |
| <b>Immunogen:</b>             | Recombinant fusion protein containing a sequence corresponding to amino acids 1-240 of human LCK.  |
| <b>Isotype:</b>               | IgG  |
| <b>Form:</b>                  | Liquid   |
| <b>Purification:</b>          | Purified by affinity chromatography.   |
| <b>Storage:</b>               | Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.   |
| <b>UniProt Primary AC:</b>    | P06239 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )  |
| <b>Gene Symbol:</b>           | LCK  |
| <b>GeneID:</b>                | <a href="#">3932</a>   |
| <b>NCBI Accession:</b>        | NP_005347.3  |
| <b>KEGG:</b>                  | hsa:3932   |
| <b>String:</b>                | <a href="#">9606.ENSP00000337825</a>   |
| <b>Molecular Weight:</b>      | Calculated MW: 58 kDa<br>Observed MW: 58 kDa   |

# Datasheet

Version: 4.0.0

Revision date: 06 Mar 2025



**Buffer:** PBS, pH 7.3, containing 0.01% thimerosal, 50% glycerol.

**Concentration:** > 0.2 mg/ml

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only