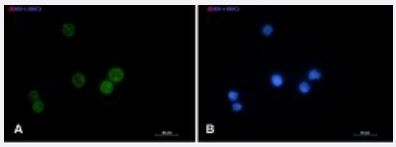
RecomAb™

LCK recombinant monoclonal antibody, clone R01-8A5

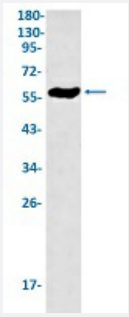
Catalog # RAB02136 Size 100 uL

Applications



Immunocytochemistry

Immunocytochemical staining of Jurkat with LCK recombinant monoclonal antibody, clone R01-8A5 (Cat # RAB02136). (A) Lck (green) and (B) DAPI (blue).



Western Blot

Western Blot analysis of Jurkat lysates with LCK recombinant monoclonal antibody, clone R01-8A5 (Cat # RAB02136).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human LCK.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human LCK.
Theoretical MW (kDa)	Calculated MW: 58 kD
Reactivity	Human, Rat
Form	Liquid

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Preparation Method	Mammalian cell (CHO) expression system
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry Immunofluorescence(1:50-1:200) Immunohistochemistry (1:50-1:100) Immunoprecipitation(1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA).
Storage Instruction	Store at -20 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry
- Immunofluorescence
- Immunocytochemistry

  Immunocytochemical staining of Jurkat with LCK recombinant monoclonal antibody, clone R01-8A5 (Cat # RAB02136). (A) Lck (green) and (B) DAPI (blue).

- Immunoprecipitation
- Western Blot

  Western Blot analysis of Jurkat lysates with LCK recombinant monoclonal antibody, clone R01-8A5 (Cat # RAB02136).

Gene Info — LCK

Entrez GeneID	3932
Protein Accession#	P06239
Gene Name	LCK

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Gene Alias	YT16, p56lck, pp58lck
Gene Description	lymphocyte-specific protein tyrosine kinase
Omim ID	153390
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the Src family of protein tyrosine kinases (PTKs). The encoded protein i s a key signaling molecule in the selection and maturation of developing T-cells. It contains N-term inal 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. Multi ple alternatively spliced variants, encoding the same protein, have been described. [provided by RefSeq
Other Designations	T-lymphocyte specific protein tyrosine kinase p56lck|p56(LSTRA) protein-tyrosine kinase|protein t yrosine kinase|proto-oncogene tyrosine-protein kinase LCK

Pathway

- Natural killer cell mediated cytotoxicity
- Primary immunodeficiency
- T cell receptor signaling pathway

Disease

- HIV Infections
- Tobacco Use Disorder

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