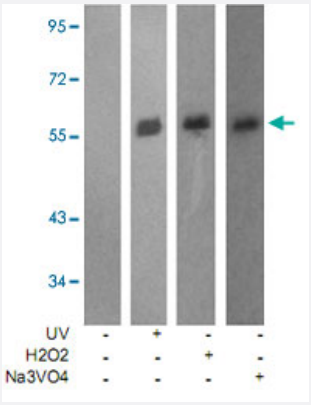
LCK (phospho Y505) polyclonal antibody

Catalog # PAB14161 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from JK cells using LCK (phospho Y505) polyclonal antibody (Cat # PAB14161).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of LCK.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding Y505 of human LCK.
Sequence	GQYpQP
Host	Rabbit
Theoretical MW (kDa)	56
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Immunoaffinity purification
Concentration	1 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg^{2+} and Ca^{2+}), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
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

- Western Blot (Cell lysate)

  Western blot analysis of extracts from JK cells using LCK (phospho Y505) polyclonal antibody (Cat # PAB14161).

Gene Info — LCK

Entrez GeneID	3932
Protein Accession#	P06239
Gene Name	LCK
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

Publication Reference

- Growth transformation of human T cells by herpesvirus saimiri requires multiple Tip-Lck interaction motifs.

  Heck E, Friedrich U, Gack MU, Lengenfelder D, Schmidt M, Muller-Fleckenstein I, Fleckenstein B, Ensser A, Biesinger B.

  Journal of Virology 2006 Oct; 80(20):9934.

  Application: WB-Ce, Monkey, Human, COS-7 cells, Monkey T cells, Jurkat clone E6-1 cells

- Hsp90 is essential for the synthesis and subsequent membrane association, but not the maintenance, of the Src-kinase p56(lck).

  Bijlmakers MJ, Marsh M.

  Molecular Biology of the Cell 2000 May; 11(5):1585.

Pathway

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

Disease

- HIV Infections
- Tobacco Use Disorder