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LCK

Reactivity: Human Mouse

Tested applications:WB IHC IF FC

Recommended Dilution:WB 1:500 - 1:1000 IHC 1:50 - 1:200 IF 1:20 - 1:50 FC 1:20 - 1:50

Calculated MW:56kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human LCK

Storage Buffer:

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

bd

Synonym:

LCK;YT16;p56lck;pp58lck

Catalog #:A0060

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID:3932

Isotype: IgG

Swiss Prot:P06239

Purity: Affinity purification

For research use only.

Background:

The Src family of protein tyrosine kinases, which includes Src, Lyn, Fyn, Yes, Lck, Blk, and Hck, are important in the regulation of growth and differentiation of eukaryotic cells (1). Src activity is regulated by tyrosine phosphorylation at two sites, but with opposing effects. While phosphorylation at Tyr416 in the activation loop of the kinase domain upregulates enzyme activity, phosphorylation at Tyr527 in the carboxy-terminal tail by Csk renders the enzyme less active (2).Lck is essential for T-lymphocyte activation and differentiation (3,4). Phosphorylation of Tyr505 in the carboxy-terminal tail of Lck downregulates its catalytic activity, while phosphorylation of Tyr394 leads to an increase in Lck activity (5).

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