

Datasheet

LCK (phospho Y394) polyclonal antibody

Catalog Number: PAB12169

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic phosphopeptide of LCK.

Immunogen: Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding Y394 of human LCK.

Sequence: NEYpTA

Host: Rabbit

Theoretical MW (kDa): 56

Reactivity: Human, Mouse

Applications: WB-Ce

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: Lck (phospho-Tyr393) antibody detects endogenous levels of Lck only when phosphorylated at tyrosine 393.

Form: Liquid

Purification: Immunoaffinity purification

Concentration: 1 mg/mL

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.

Entrez GeneID: 3932

Gene Symbol: LCK

Gene Alias: YT16, p56lck, pp58lck

Gene Summary: 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. [provided by RefSeq]

References:

1. 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. J Virol. 2006 Oct;80(20):9934-42.
2. Hsp90 is essential for the synthesis and subsequent membrane association, but not the maintenance, of the Src-kinase p56(lck). Bijlmakers MJ, Marsh M. Mol Biol Cell. 2000 May;11(5):1585-95.