

Phospho-Lck (Tyr393) Ab

Cat.#: AF3101 Concn.: 1mg/ml Mol.Wt.: 56kDa Size: 100ul,200ul Source: Rabbit Clonality: Polyclonal

Application: WB 1:500-1:2000 IF/ICC 1:100-1:500

Reactivity: Human, Mouse, Rat

Purification: The Ab is from purified rabbit serum by affinity purification

via sequential chromatography on phospho- and non-

phospho-peptide affinity columns.

Specificity: Phospho-Lck (Tyr393) Ab detects endogenous levels of Lck

only when phosphorylated at Tyrosine 393.

Immunogen: A synthesized peptide derived from human Lck around the

phosphorylation site of Tyrosine 393.

Uniprot: P06239

Description: Tyrosine kinase that plays an essential role for the selection

and maturation of developing t-cell in the thymus and in

mature t-cell function.

Subcellular Location: Cytoplasm. Cell membrane. Present in lipid rafts in an

unactive form.

Tissue Specificity: Expressed specifically in lymphoid cells.

Similarity: The SH2 domain mediates interaction with SQSTM1.

Interaction is regulated by Ser-59 phosphorylation. Belongs to the protein kinase superfamily. Tyr protein kinase family.

SRC subfamily.

Storage Condition and

Buffer:

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20

°C.Stable for 12 months from date of receipt.



Western blot analysis of Phospho-Lck (Tyr393) expression in various lysates



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kDs 1 2
230—
150—
150—
75—
50—
37—
25—
20—
15—

Western blot analysis of Lck phosphorylation expression in HeLa whole cell lysates, The lane on the left is treated with the antigen-specific peptide.



AF3101 staining Jurkat cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37°C. The primary Ab was diluted 1/400 and incubated with the sample for 1 hour at 37°C. A Alexa Fluor® 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary Ab.

<code>IMPORTANT:</code> For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween020 at 4° C with gentle shaking, overnight.

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