

## Mouse Lck Antibody (N-term)

Catalog_no :	AB1290
Applications :	WB
Reactivity :	M
Category :	抗原抗体
Size :	100μL/50μL
Immunogen :	MOUSE:20-47
Specificity :	This Mouse Lck antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 20-47 amino acids from the N-terminal region of mouse Lck.
Dilution :	WB,1:1000;
Purification :	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Other_name :	Proto-oncogene tyrosine-protein kinase LCK, Leukocyte C-terminal Src kinase, LSK, Lymphocyte cell-specific protein-tyrosine kinase, p56-LCK, Lck, Lsk-t
Isotype :	Rabbit Ig
Background :	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. Is constitutively associated with the cytoplasmic portions of the CD4 and CD8 surface receptors and plays a key role in T-cell antigen receptor(TCR)-linked signal transduction pathways. Association of the TCR with a peptide antigen-bound MHC complex facilitates the interaction of CD4 and CD8 with MHC class II and class I molecules, respectively, and thereby recruits the associated LCK to the vicinity of the TCR/CD3 complex. LCK then phosphorylates tyrosines residues within the immunoreceptor tyrosines-based activation motifs (ITAMs) in the cytoplasmic tails of the TCRgamma chains and CD3 subunits, initiating the TCR/CD3 signaling pathway. In addition, contributes to signaling by other receptor molecules. Associates directly with the cytoplasmic tail of CD2, and upon engagement of the CD2 molecule, LCK undergoes hyperphosphorylation and activation. Also plays a role in the IL2 receptor-linked signaling pathway that controls T-cell proliferative response. Binding of IL2 to its receptor results in increased activity of LCK. Is expressed at all stages of thymocyte development and is required for the regulation of maturation events that are governed by both pre-TCR and mature alpha beta TCR (By similarity).
reference :	Visan, I., et al. J. Immunol. 185(8):4609-4617(2010) Chrobak, P., et al. J. Immunol. 185(7):3948-3959(2010) McCoy, M.E., et al. J. Immunol. 185(6):3285-3294(2010) Veillette, A., et al. J. Immunol. 185(5):2650-2657(2010) Hashimoto-Tane, A., et al. Mol