

LAT Polyclonal Antibody

Catalog No :	YT2539
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC
Target :	LAT
Fields :	>>Ras signaling pathway;>>Rap1 signaling pathway;>>NF-kappa B signaling pathway;>>Natural killer cell mediated cytotoxicity;>>Th1 and Th2 cell differentiation;>>Th17 cell differentiation;>>T cell receptor signaling pathway;>>Fc epsilon RI signaling pathway;>>Fc gamma R-mediated phagocytosis;>>Yersinia infection;>>PD-L1 expression and PD-1 checkpoint pathway in cancer
Gene Name :	LAT
Protein Name :	Linker for activation of T-cells family member 1
Human Gene Id :	27040
Human Swiss Prot	O43561
No : Mouse Gene Id :	16797
Mouse Swiss Prot	O54957
No : Rat Gene Id :	81511
Rat Swiss Prot No :	O70601
Immunogen :	The antiserum was produced against synthesized peptide derived from human LAT. AA range:191-240
Specificity :	LAT Polyclonal Antibody detects endogenous levels of LAT protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.



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Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-
	chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	28kD
Cell Pathway :	Natural killer cell mediated cytotoxicity; T Cell Receptor; Fc epsilon RI; Fc
	gamma R-mediated phagocytosis;
Background :	The protein encoded by this gene is phosphorylated by ZAP-70/Syk protein
	tyrosine kinases following activation of the T-cell antigen receptor (TCR) signal
	transduction pathway. This transmembrane protein localizes to lipid rafts and acts
	as a docking site for SH2 domain-containing proteins. Upon phosphorylation, this
	protein recruits multiple adaptor proteins and downstream signaling molecules
	engagement. Alternative solicing results in multiple transcript variants encoding
	different isoforms. [provided by RefSeq. Jul 2008].
Function :	function Bequired for TCB (T-cell antigen receptor)- and pre-TCB-mediated
	signaling, both in mature T-cells and during their development. Involved in
	FCGR3 (low affinity immunoglobulin gamma Fc region receptor III)-mediated
	signaling in natural killer cells and FCER1 (high affinity immunoglobulin epsilon
	receptor)-mediated signaling in mast cells. Couples activation of these receptors
	and their associated kinases with distal intracellular events such as mobilization
	or intracellular calcium stores, PKC activation, MAPK activation or cytoskeletal
	signaling molecules, miscellaneous: Engagement of killer inhibitory receptors
	(KIR) disrupts the interaction of PLCG1 with LAT and blocks target cell-induced
	activation of PLC, maybe by inducing the dephosphorylation of
	LAT.,PTM:Palmitoylation of Cys-26 and Cys-29 is required
Subcellular	Cell membrane ; Single-pass type III membrane protein . Present in lipid rafts.
Location :	
Expression :	Expressed in thymus, T-cells, NK cells, mast cells and, at lower levels, in spleen.
	Present in T-cells but not B-cells (at protein level).

Products Images







Immunohistochemical analysis of paraffin-embedded human oophoroma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).