

LAT (phospho Y200) polyclonal antibody

Catalog # PAB31635

Size 100 uL

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of human LAT (phospho Y200).
Immunogen	A synthetic peptide corresponding to amino acids 140-220 of human LAT (phospho Y200).
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of LAT protein only when phosphorylated at Y200.
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	ELISA (1:10000) Western Blot (1:500-2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol, 0.5% BSA and 0.02% sodium azide).
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay

Gene Info — LAT

Entrez GeneID [27040](#)

Protein Accession# [O43561](#)

Gene Name LAT

Gene Alias LAT1, pp36

Gene Description linker for activation of T cells

Omim ID [602354](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 into multimolecular signaling complexes located near the site of TCR engagement. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations 36 kDa phospho-tyrosine adaptor protein

Pathway

- [Fc epsilon RI signaling pathway](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Natural killer cell mediated cytotoxicity](#)
- [T cell receptor signaling pathway](#)