



Anti-LAT (full length) polyclonal antibody (DPAB-DC1343)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	LAT (AAH11563, 1 a.a. ~ 233 a.a) full-length recombinant protein with GST tag. The sequence is MEEAILVPCVLGLLLLPILAMLMALCVHCHRLPGSYDSTSSDSLYPRGIQFKRPHTVAPW PPAYPPVTSYPPPLSQPDLLPIRSPQPLGGPHRTPSSRRDSDGANSVASYENEELPACEDA DEDEDYYHNPGYLVLPDSTPATSTAAPSAPALSTPGIRDSAFAFSMESIDDYVNVPESGES AEASLDGSREYVNVSQELHPGAAKTEPAALSSQEAEVEEEGAPDYENLQELN
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	LAT linker for activation of T cells [Homo sapiens (human)]
Official Symbol	LAT
Synonyms	LAT; linker for activation of T cells; LAT1; pp36; linker for activation of T-cells family member 1; p36-38; 36 kDa phospho-tyrosine adapter protein; 36 kDa phospho-tyrosine adaptor protein; linker for activation of T cells, transmembrane adaptor;
Entrez Gene ID	27040
Protein Refseq	NP_001014987
UniProt ID	O43561
Chromosome Location	16p11.2
Pathway	Adaptive Immune System; DAP12 signaling; FCER1 mediated MAPK activation; Fc epsilon RI signaling pathway
Function	SH3/SW2 adaptor activity; protein binding; protein kinase binding;