

Product datasheet for **TA377961S**

LAT Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB,1:500 - 1:2000
Reactivity:	Human
Modifications:	Phospho Y171
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic phosphorylated peptide around Y171 of human LAT (NP_001014987.1).
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	24kDa/27kDa/28kDa
Gene Name:	linker for activation of T-cells
Database Link:	Entrez Gene 27040 Human O43561

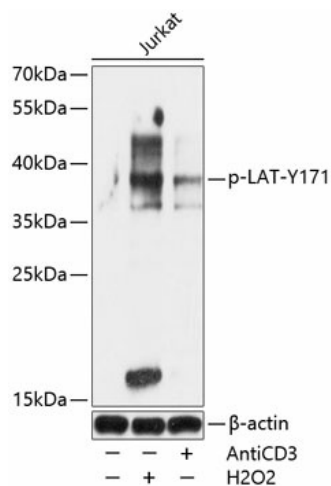
Background: The protein encoded by this gene is phosphorylated by ZAP-70/Syk protein tyrosine kinases following activation of the T-cell antigen receptor (TCR) signal transduction pathway. This transmembrane protein localizes to lipid rafts and acts as a docking site for SH2 domain-containing proteins. Upon phosphorylation, this protein recruits multiple adaptor proteins and downstream signaling molecules into multimolecular signaling complexes located near the site of TCR engagement. Alternative splicing results in multiple transcript variants encoding different isoforms.

Synonyms: LAT1; p36-38; pp36



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Product images:



Western blot analysis of extracts of Jurkat cells, using Phospho-LAT-Y171 antibody ([TA377961]) at 1:1000 dilution. Jurkat cells were treated by Hydrogen Peroxide (2mM) for 2 minutes after serum-starvation overnight or treated by CD-3 (10 ug/mL) for 2 minutes after serum-starvation overnight. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% BSA. | Detection: ECL Enhanced Kit . | Exposure time: 5s.