Anti-Phospho-LAT (Tyr171) Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P108403

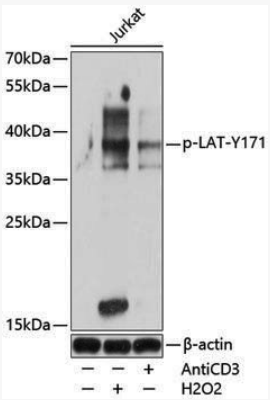
Product Information

Application	WB, ELISA
Reactivity	Human
Dilution	WB 1:500~1:2000
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphorylated peptide around Y171 of human LAT (NP_001014987.1).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-LAT (Tyr171) Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	LAT1; pp36; IMD52; Phospho-LAT-Y171.
Calculated MW	Calculated MW: 28 kDa; Observed MW: 38 kDa
Uniprot ID	O43561
Gene ID	27040
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.

Validation Images



Western blot analysis of lysates from Jurkat cells, using Phospho-LAT-Y171 Rabbit pAb (P108403) at 1:1,000 dilution. Jurkat cells were treated by Hydrogen Peroxide (2mM) for 2 minutes after serum-starvation overnight or treated by CD-3 (10 µg/mL) for 2 minutes after serum-starvation overnight.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% BSA.
Detection: ECL Enhanced Kit.
Exposure time: 5s.