

Phospho-LAT-Y171 Rabbit pAb

Catalog No.: AP0809

Basic Information

Observed MW

38kDa

Calculated MW

28kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Human

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.

Recommended Dilutions

WB 1:500 - 1:2000

Immunogen Information

Gene ID

27040

Swiss Prot

O43561

Immunogen

A synthetic phosphorylated peptide around Y171 of human LAT (NP_001014987.1).

Synonyms

LAT1; pp36; IMD52; Phospho-LAT-Y171

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

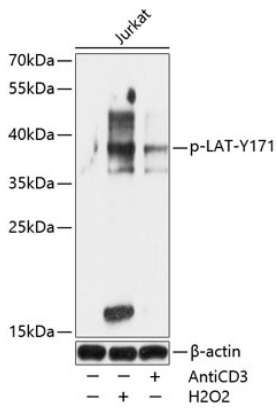
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of lysates from Jurkat cells, using Phospho-LAT-Y171 Rabbit pAb (AP0809) 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 μ g/mL) for 2 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% BSA. Detection: ECL Enhanced Kit (RM00021). Exposure time: 5s.