

Datasheet for ABIN7268273
anti-LAT antibody (pTyr171)



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1 Image

Overview

Quantity:	100 µL
Target:	LAT
Binding Specificity:	pTyr171
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LAT antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Phospho-LAT-Y171 Rabbit pAb
Immunogen:	A synthetic phosphorylated peptide around Y171 of human LAT (NP_001014987.1).
Sequence:	DDYVN
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Phosphorylated Antibodies
Purification:	Affinity purification

Target Details

Target:	LAT
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Target Details

Alternative Name: [LAT \(LAT Products\)](#)

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.,LAT,LAT1,pp36,IMD52,Signal Transduction,G protein signaling,Signal Transduction,Immunology & Inflammation,T Cell Receptor Signaling Pathway,Protein phosphorylation,LAT

Molecular Weight: 24kDa/27kDa/28kDa

Gene ID: 27040

UniProt: [O43561](#)

Pathways: [TCR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#)

Application Details

Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

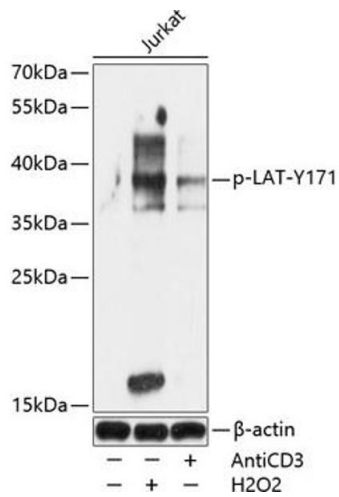
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

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



Western Blotting

Image 1. Western blot analysis of extracts of Jurkat cells, using Phospho-LAT-Y171 antibody (ABIN7268273) at 1:1000 dilution. Jurkat cells were treated by Hydrogen Peroxide (2 mM) 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 Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % BSA. Detection: ECL Enhanced Kit (RM00021). Exposure time: 5s.