

Phospho-LAT-Y191 Rabbit pAb

Catalog No.: AP1188

Basic Information

Observed MW

36kDa

Calculated MW

28kDa

Category

Primary antibody

Applications

WB, ELISA

Cross-Reactivity

Human, Mouse

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 - 1:1000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

27040

Swiss Prot

O43561

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

LAT1; pp36; IMD52; Phospho-LAT-Y191

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

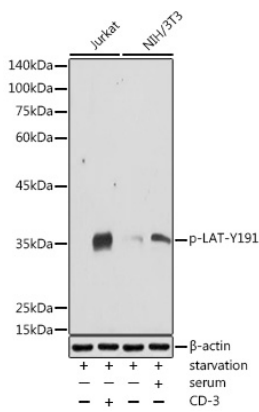
Affinity purification

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 various lysates using Phospho-LAT-Y191 Rabbit pAb (AP1188) at 1:1000 dilution. Jurkat cells were treated with CD-3 (10 µg/mL) at 37°C for 2 minutes after serum-starvation overnight. NIH/3T3 cells were treated with 10% FBS at 37°C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.