

For Research Use Only

# Phospho-LAT (Tyr220) Recombinant monoclonal antibody

Catalog Number:87289-1-RR



## Basic Information

Catalog Number:

87289-1-RR

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC011563

GeneID (NCBI):

27040

UNIPROT ID:

O43561

Full Name:

linker for activation of T cells

Calculated MW:

262 aa, 28 kDa

Observed MW:

36 kDa, 38 kDa

Purification Method:

Protein A purification

CloneNo.:

252580D5

Recommended Dilutions:

WB: 1:1000-1:8000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : Jurkat cells,

## Background Information

LAT is a membrane-localized adaptor protein which is primarily concentrated in microdomains by palmitoylation. Phospho-LAT (Tyr220) is a phosphorylated form of the Linker for Activation of T cells (LAT), a protein that plays a pivotal role in T cell receptor (TCR) signaling. LAT is involved in the assembly of the signaling complex that leads to T cell activation. Upon TCR engagement, LAT becomes phosphorylated at multiple tyrosine residues, including Tyr220. (PMID: 38746248)

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

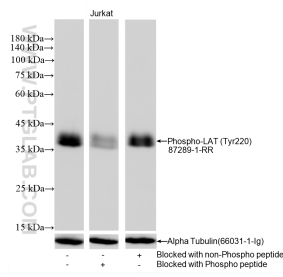
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Jurkat cell lysates were subjected to SDS PAGE followed by western blot with 87289-1-RR (Phospho-LAT (Tyr220) antibody) blocked with BSA only, Phospho-LAT (Tyr220) peptide or non-Phospho peptide were subjected to SDS PAGE followed by western blot with 87289-1-RR (LAT-Tyr220 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.