

## **Anti-LAT Rabbit Monoclonal Antibody**

**Catalog # ABO16336** 

# **Specification**

## **Anti-LAT Rabbit Monoclonal Antibody - Product Information**

Application WB, IHC
Primary Accession O43561
Host Rabbit
Isotype IgG
Reactivity Human
Clonality Monoclonal
Format Liquid

**Description** 

Anti-LAT Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human.

# **Anti-LAT Rabbit Monoclonal Antibody - Additional Information**

Gene ID 27040

### **Other Names**

Linker for activation of T-cells family member 1, 36 kDa phosphotyrosine adapter protein, pp36, p36-38, LAT

Calculated MW 36.38 kDa KDa

**Application Details** 

WB 1:500-1:2000<br>IHC 1:50-1:200

#### **Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen** 

A synthesized peptide derived from human LAT

**Purification** 

Affinity-chromatography

Storage Store at -20°C for one year. For short term

storage and frequent use, store at 4°C for

up to one month. Avoid repeated

freeze-thaw cycles.

## **Anti-LAT Rabbit Monoclonal Antibody - Protein Information**

**Name LAT** 



#### **Function**

Required for TCR (T-cell antigen receptor)- and pre-TCR- mediated signaling, both in mature T-cells and during their development (PubMed:<a href="http://www.uniprot.org/citations/23514740" target="\_blank">23514740</a>, PubMed:<a href="http://www.uniprot.org/citations/25907557" target="\_blank">25907557</a>). Involved in FCGR3 (low affinity immunoglobulin gamma Fc region receptor III)-mediated signaling in natural killer cells and FCER1 (high affinity immunoglobulin epsilon receptor)-mediated signaling in mast cells. Couples activation of these receptors and their associated kinases with distal intracellular events such as mobilization of intracellular calcium stores, PKC activation, MAPK activation or cytoskeletal reorganization through the recruitment of PLCG1, GRB2, GRAP2, and other signaling molecules.

#### **Cellular Location**

Cell membrane; Single-pass type III membrane protein. Note=Present in lipid rafts

#### **Tissue Location**

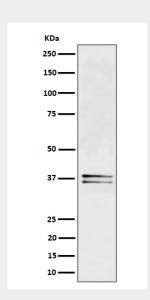
Expressed in thymus, T-cells, NK cells, mast cells and, at lower levels, in spleen. Present in T-cells but not B-cells (at protein level).

# **Anti-LAT Rabbit Monoclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

### **Anti-LAT Rabbit Monoclonal Antibody - Images**



Western blot analysis of LAT expression in Jurkat cell lysate.