

Anti-LAT Antibody
Rabbit polyclonal antibody to LAT
Catalog # AP60940**Specification**

Anti-LAT Antibody - Product Information

Application	WB
Primary Accession	O43561
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27930

Anti-LAT Antibody - Additional Information**Gene ID** 27040**Other Names**

Linker for activation of T-cells family member 1; 36 kDa phospho-tyrosine adapter protein; pp36; p36-38

Target/Specificity

Recognizes endogenous levels of LAT protein.

Dilution

WB~~WB (1/500 - 1/1000)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-LAT 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:23514740, PubMed:25907557). 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

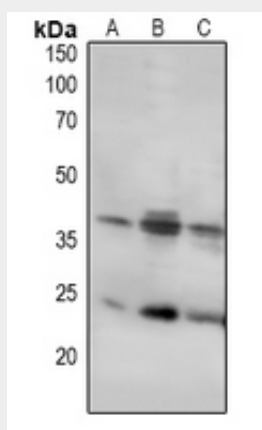
Tissue Location

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 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-LAT Antibody - Images

Western blot analysis of LAT expression in HepG2 (A), HEK293T (B), HeLa (C) whole cell lysates.

Anti-LAT Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human LAT. The exact sequence is proprietary.