

LAT (pY191) Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51627**Specification**

LAT (pY191) Antibody - Product Information

Application	WB, E
Primary Accession	O43561
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38 KDa

LAT (pY191) 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, LAT

Target/Specificity

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

Dilution

WB~~1:1000

E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

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

LAT (pY191) 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).

LAT (pY191) 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](#)

LAT (pY191) Antibody - Images**LAT (pY191) Antibody - Background**

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LAT (pY191) Antibody - References

Zhang W.,et al.Cell 92:83-92(1998).
Weber J.R.,et al.J. Exp. Med. 187:1157-1161(1998).
Martin J.,et al.Nature 432:988-994(2004).
Zhang W.,et al.Immunity 9:239-246(1998).
Lindholm C.K.,et al.J. Biol. Chem. 274:28050-28057(1999).