

---

**Product Name: LAT Rabbit Monoclonal Antibody****Catalog #: AMRe85746**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,IP
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100,IP 1:10-1:20
<b>Molecular Weight</b>	Calculated MW: 28 kDa; Observed MW: 36 kDa

**Antigen Information**

<b>Gene Name</b>	LAT
<b>Alternative Names</b>	LAT; Linker for activation of T-cells family member 1; 36 kDa phospho-tyrosine adapter protein; pp36; p36-38
<b>Gene ID</b>	27040.0
<b>SwissProt ID</b>	O43561
<b>Immunogen</b>	A synthetic peptide of human LAT

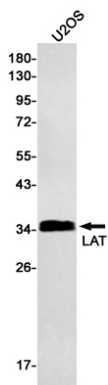
**Background**

Required for TCR (T-cell antigen receptor)- and pre-TCR-mediated signaling, both in mature T-cells and during their development. Involved in FCGR3 (low affinity immunoglobulin gamma Fc region receptor III)-mediated signaling in natural

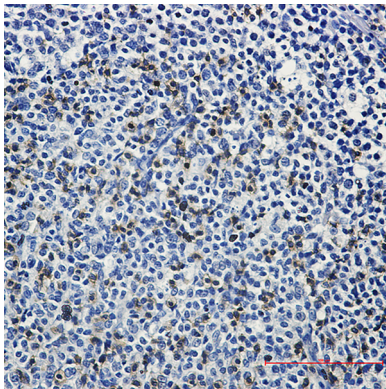
killer cells and FCER1 (high affinity immunoglobulin epsilon receptor)-mediated signaling in mast cells. Couples activation of these receptors and their associated kinases with distal intracellular events such as mobilization of intracellular calcium stores, PKC activation, MAPK activation or cytoskeletal reorganization through the recruitment of PLCG1, GRB2, GRAP2, and other signaling molecules.

## Research Area

## Image Data



Western blot analysis of LAT in U2OS lysates using LAT antibody.



Immunohistochemistry analysis of paraffin-embedded Human tonsil using LAT antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.