

Anti-LAT Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

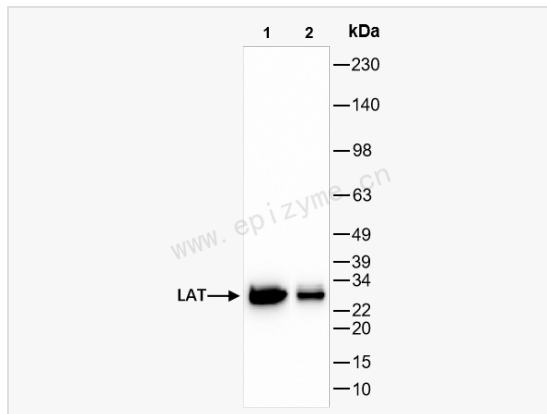
Catalog # R011862

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	43L36K67
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human LAT
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-LAT Rabbit mAb [43L36K67] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	Linker for activation of T-cells family member 1; 36 kDa phosphotyrosine adapter protein; p36-38; pp36; LAT.
Calculated MW	Calculated MW: 28 kDa; Observed MW: 28 kDa
Uniprot ID	O43561
Gene ID	27040
Background	The protein encoded by this gene is phosphorylated by ZAP-70/Syk protein tyrosine kinases following activation of the T-cell antigen receptor (TCR) signal transduction pathway. This transmembrane protein localizes to lipid rafts and acts as a docking site for SH2 domain-containing proteins. Upon phosphorylation, this protein recruits multiple adaptor proteins and downstream signaling molecules into multimolecular signaling complexes located near the site of TCR engagement. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
Cellular Location	Cell membrane.Single-pass type III membrane protein.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).



Western Blot - Anti-LAT Rabbit mAb [43L36K67]

All lanes: R011862 at 1:1,000 dilution

Lane 1: Hel (Human erythroLeukemia suspension cell) whole cell lysates

Lane 2: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates

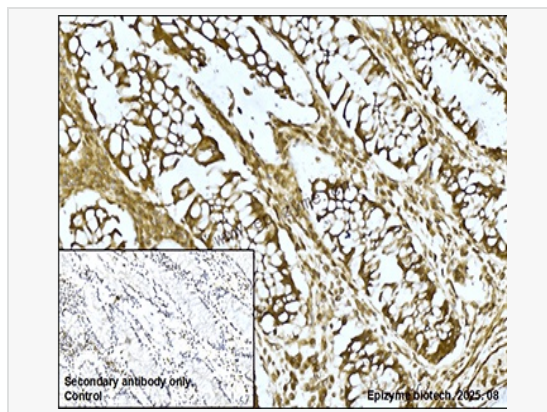
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 28 kDa

Observed band size: 28 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-LAT Rabbit mAb [43L36K67]

Sample: Paraformaldehyde-fixed, paraffin embedded human colonic cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R011862 at 1:200 dilution

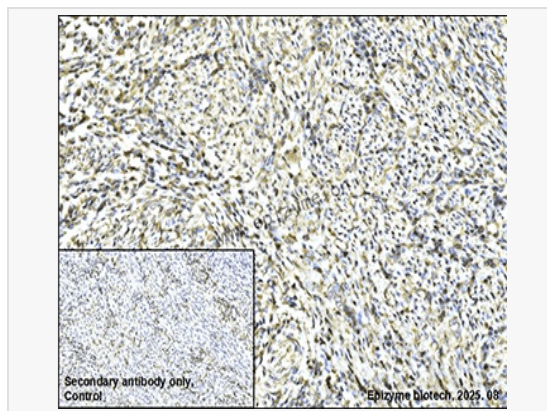
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-LAT Rabbit mAb [43L36K67]

Sample: Paraformaldehyde-fixed, paraffin embedded human endometrial carcinoma tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R011862 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.