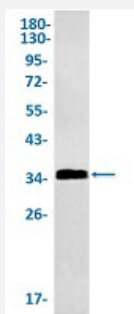


RecomAb™

LAT recombinant monoclonal antibody, clone R03-2G2

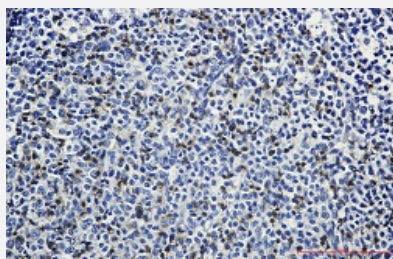
Catalog # RAB02137 Size 100 uL

Applications



Western Blot

Western Blot analysis of U2OS lysates with LAT recombinant monoclonal antibody, clone R03-2G2 (Cat # RAB02137).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin/PFA-fixed paraffin-embedded sections) of human tonsil with LAT recombinant monoclonal antibody, clone R03-2G2 (Cat # RAB02137). High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human LAT.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human LAT.
Theoretical MW (kDa)	Calculated MW: 28 kD
Reactivity	Human
Form	Liquid

Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:100) Immunoprecipitation(1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at -20 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of U2OS lysates with LAT recombinant monoclonal antibody, clone R03-2G2 (Cat # RAB02137).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin/PFA-fixed paraffin-embedded sections) of human tonsil with LAT recombinant monoclonal antibody, clone R03-2G2 (Cat # RAB02137). High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

- Immunoprecipitation

Gene Info — LAT

Entrez GeneID	27040
Protein Accession#	O43561
Gene Name	LAT
Gene Alias	LAT1, pp36
Gene Description	linker for activation of T cells
Omim ID	602354
Gene Ontology	Hyperlink

Gene Summary

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]

Other Designations

36 kDa phospho-tyrosine adaptor protein

Pathway

- [Fc epsilon RI signaling pathway](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Natural killer cell mediated cytotoxicity](#)
- [T cell receptor signaling pathway](#)