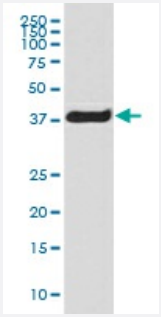
LAT (phospho Y191) monoclonal antibody, clone AOH-12

Catalog # MAB20534 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of Jurkat cell lysate using LAT (phospho Y191) monoclonal antibody, clone AOH-12.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human LAT.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Y191 of human LAT.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Immunoprecipitation (1:30) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.4-0.5 mg/mL BSA, 0.02% sodium azide).

Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western Blot analysis of Jurkat cell lysate using LAT (phospho Y191) monoclonal antibody, clone AOH-12.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunocytochemistry
- Immunofluorescence
- 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 follo wing activation of the T-cell antigen receptor (TCR) signal transduction pathway. This transmembr ane 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 m olecules into multimolecular signaling complexes located near the site of TCR engagement. Altern ative splicing results in multiple transcript variants encoding different isoforms. [provided by RefS eq
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