

LAT recombinant antibody

Phospho-LAT (Y191) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA235569	Rabbit	Human	Immunoprecipitation, Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

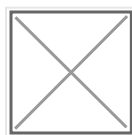
PRODUCT SYNONYMS

LAT; Monoclonal Recombinant Antibody; Phospho-LAT (Y191) Antibody; Linker for activation of T-cells family member 1; 36 kDa phospho-tyrosine adapter protein; pp36; p36-38; LAT recombinant antibody

PRODUCT SPECIFICATIONS

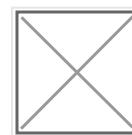
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity-Chromatography
Form/Format	Liquid; In phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	233
Applicable Applications for LAT recombinant antibody	IP (Immunoprecipitation), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Species	Human
Immunogen	A synthesized peptide derived from human Phospho-LAT (Y191)
Conjugate	Non-Conjugated
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IP (Immunoprecipitation)

Immunoprecipitating Phospho-LAT in A549 whole cell lysate Lane 1: Rabbit control IgG(1ug) instead of CSB-RA012767A191phHU in A549 whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000) Lane 2: CSB-RA012767A191phHU(3ug)+ A549 whole cell lysate(1mg) Lane 3: A549 whole cell lysate (20ug)



IF (Immunofluorescence)

Immunofluorescence staining of HeLa cells with CSB-RA012767A191phHU at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



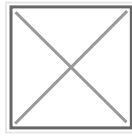
IHC (Immunohistochemistry)

IHC image of CSB-RA012767A191pHU diluted at 1:100 and staining in paraffin-embedded human colon cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohistochemistry)

IHC image of CSB-RA012767A191pHU diluted at 1:100 and staining in paraffin-embedded human tonsil tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)

Western Blot Positive WB detected in Jurkat whole cell lysate, HeLa whole cell lysate, HepG2 whole cell lysate (treated with EGF or Pervanadate). All lanes: Phospho-LAT antibody at 2.9ug/ml. Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 38 KDa. Observed band size: 38 KDa.

ADDITIONAL INFORMATION

Related Product Information for LAT recombinant antibody	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.
Product Categories/Family for LAT recombinant antibody	Recombinant Antibody ; Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	62739155
NCBI GeneID	27040
NCBI Accession #	NP_001014987.1
NCBI GenBank Nucleotide #	NM_001014987.1
UniProt Accession #	O43561 ; O43919 ; B7WPI0 ; C7C5T6 ; G5E9K3
Molecular Weight	24,985 Da
NCBI Official Full Name	linker for activation of T-cells family member 1 isoform b
NCBI Official Synonym Full Names	linker for activation of T cells
NCBI Official Symbol	LAT
NCBI Official Synonym Symbols	LAT1; pp36; IMD52
NCBI Protein Information	linker for activation of T-cells family member 1
UniProt Protein Name	Linker for activation of T-cells family member 1
UniProt Gene Name	LAT
UniProt Synonym Gene Names	pp36

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/lat-recombinant-antibody-immunoprecipitation-immunofluorescence-immunohistochemistry-western-blot-elisa/235569>