

KD-Validated Anti-Linker For Activation Of T Cells Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1868**Specification****KD-Validated Anti-Linker For Activation Of T Cells Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC
Primary Accession	O43561
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 28 kDa, observed, 36 kDa
Gene Name	KDa LAT
Aliases	LAT; Linker For Activation Of T Cells; LAT1; Linker For Activation Of T Cells, Transmembrane Adaptor; Linker For Activation Of T-Cells Family Member 1; 36 KDa Phosphotyrosine Adapter Protein; P36-38; Pp36; 36 KDa Phospho-Tyrosine Adapter Protein; 36 KDa Phospho-Tyrosine Adaptor Protein; IMD52
Immunogen	A synthesized peptide derived from human LAT

KD-Validated Anti-Linker For Activation Of T Cells Rabbit Monoclonal Antibody - Additional Information

Gene ID	27040
Other Names	
Linker for activation of T-cells family member 1, 36 kDa phosphotyrosine adapter protein, pp36, p36-38, LAT	

KD-Validated Anti-Linker For Activation Of T Cells Rabbit Monoclonal Antibody - Protein Information**Name** LAT**Function**

Required for TCR (T-cell antigen receptor)- and pre-TCR- mediated signaling, both in mature T-cells and during their development (PubMed: [23514740](http://www.uniprot.org/citations/23514740), PubMed: [25907557](http://www.uniprot.org/citations/25907557)). 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.

Cellular Location

Cell membrane; Single-pass type III membrane protein. Note=Present in lipid rafts

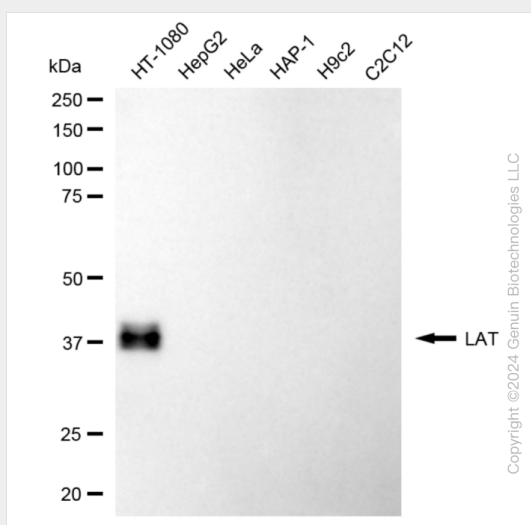
Tissue Location

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).

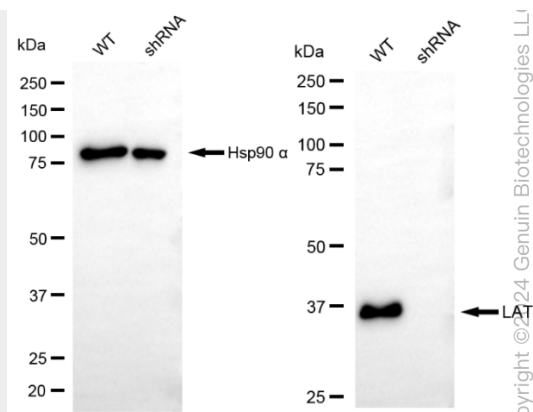
KD-Validated Anti-Linker For Activation Of T Cells Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

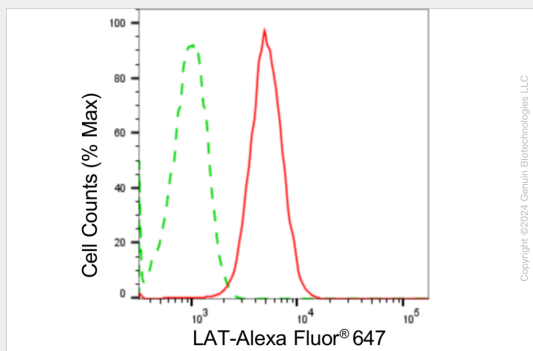
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KD-Validated Anti-Linker For Activation Of T Cells Rabbit Monoclonal Antibody - Images

Western blotting analysis using anti-LAT antibody (Cat#AGI1868). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-LAT antibody (Cat#AGI1868, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-LAT antibody (Cat#AGI1868). LAT expression in wild type (WT) and LAT shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-LAT antibody (Cat#AGI1868, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of LAT expression in HT-1080 cells using anti-LAT antibody (Cat#AGI1868, 1:2,000). Green, isotype control; red, LAT.