

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

Rabbit monoclonal antibody

Catalog # AGI1868

Product Information

Application	WB, FC
Primary Accession	O43561
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB4940
Calculated MW	27930
Gene Name	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

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

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 , PubMed: 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).

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