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Anti-LAT Antibody

Catalog # AP60940

Product Information

Application	WB
Primary Accession	O43561
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27930

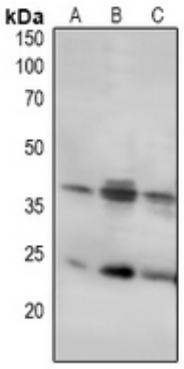
Additional Information

Gene ID	27040
Other Names	Linker for activation of T-cells family member 1; 36 kDa phospho-tyrosine adapter protein; pp36; p36-38
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human LAT. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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).

Images



Western blot analysis of LAT expression in HepG2 (A), HEK293T (B), HeLa (C) whole cell lysates. (Predicted band size: 27 kD; Observed band size: 38 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.