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## LAT (C2) Antibody, Rabbit Polyclonal

**Cat#: R0511-5**

**Quantity: 100 ul**

**Predicted | Observed M.W.: 26 | 30 kDa**

**Lot#: Refer to vial**

**Application: WB**

**Uniprot ID: O54957**

### **Background:**

Linker for activation of T-cells family member 1 (LAT) is a single-pass type III cell membrane protein. LAT is required for TCR (T-cell antigen receptor)- and pre-TCR-mediated signaling, both in mature T-cells and during their development. LAT is 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. LAT 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.

### **Other Names:**

Linker for activation of T-cells family member 1, 36 kDa phospho-tyrosine adapter protein, pp36, p36-38

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of mouse LAT. Antibodies were purified by affinity purification using immunogen.

### **Storage Buffer and Condition:**

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN<sub>3</sub>. Store at -20 °C. Stable for 6 months from date of receipt.

### **Species Specificity:**

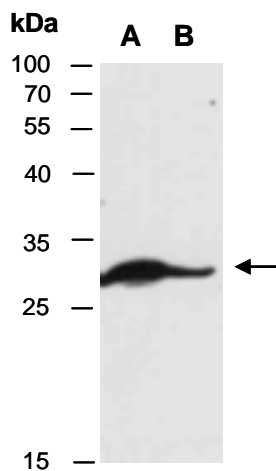
Mouse

### **Tested Applications:**

WB: 1:1,000-1:3,000 (detect endogenous protein\*)

\*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

**Product Data:**



**Fig 1.** Western blot of total cell extracts from (A) mouse spleen, (B) mouse liver; using anti-LAT (C2) (R0511-5) at RT for 2 h.