

## Product datasheet for **TA302672**

### LAT Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:2,000. WB: 1-3µg/ml.
Reactivity:	Human, Mouse, Rat
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-GAPDYENLQELN, from the C Terminus of the protein sequence according to NP_055202.1; NP_001014987.1; NP_001014989.1; NP_001014988.1.
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	27.7 kDa
Gene Name:	linker for activation of T-cells
Database Link:	<a href="#">NP_055202</a> <a href="#">Entrez Gene 16797 Mouse</a> <a href="#">Entrez Gene 81511 Rat</a> <a href="#">Entrez Gene 27040 Human</a> <a href="#">O43561</a>



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**Background:** The protein encoded by this gene is phosphorylated by ZAP-70/Syk protein tyrosine kinases following activation of the T-cell antigen receptor (TCR) signal transduction pathway. This transmembrane protein localizes to lipid rafts and acts as a docking site for SH2 domain-containing proteins. Upon phosphorylation, this protein recruits multiple adaptor proteins and downstream signaling molecules into multimolecular signaling complexes located near the site of TCR engagement. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq]

**Synonyms:** LAT1; pp36

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Fc epsilon RI signaling pathway, Fc gamma R-mediated phagocytosis, Natural killer cell mediated cytotoxicity, T cell receptor signaling pathway

**Product images:**



TA302672 (0.01ug/ml) staining of peripheral blood mononucleocytes lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.