



# LAT (phospho Tyr191) rabbit pAb

Cat No.:ES5534

For research use only

## Overview

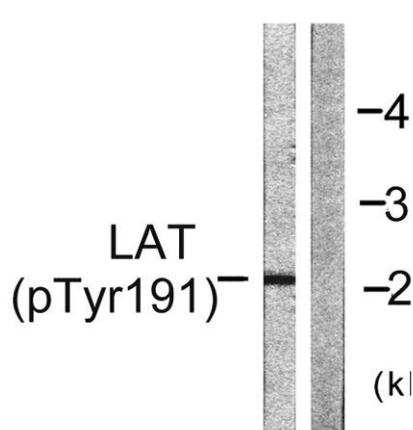
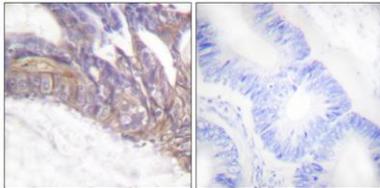
<b>Product Name</b>	LAT (phospho Tyr191) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human LAT around the phosphorylation site of Tyr191. AA range:191-240
<b>Specificity</b>	Phospho-LAT (Y191) Polyclonal Antibody detects endogenous levels of LAT protein only when phosphorylated at Y191.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Linker for activation of T-cells family member 1
<b>Gene Name</b>	LAT
<b>Cellular localization</b>	Cell membrane ; Single-pass type III membrane protein . Present in lipid rafts.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	28kD
<b>Human Gene ID</b>	27040
<b>Human Swiss-Prot Number</b>	O43561
<b>Alternative Names</b>	LAT; Linker for activation of T-cells family member 1; 36 kDa phospho-tyrosine adapter protein; pp36; p36-38
<b>Background</b>	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, Jul 2008],

Immunohistochemistry analysis of paraffin-embedded human colon carcinoma, using LAT (Phospho-Tyr191) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from NIH/3T3 cells, using LAT (Phospho-Tyr191) Antibody. The lane on the right is blocked with the phospho peptide.

