


Anti-LAT (phospho Y191) antibody ab59197

3 References **2 图像**

概述

产品名称	Anti-LAT (phospho Y191)抗体
描述	兔多克隆抗体to LAT (phospho Y191)
宿主	Rabbit
特异性	Detects endogenous levels of LAT only when phosphorylated at tyrosine 191. This antibody detects LAT phosphorylated on Tyrosine 191 in isoform 2 (SwissProt: O43561-2), and Tyrosine 220 in isoform 1 (SwissProt: O43561).
经测试应用	适用于: WB, IHC-P, ELISA
种属反应性	与反应: Mouse, Human 预测可用于: Rat 
免疫原	Synthetic peptide corresponding to Human LAT aa 150-250 (phospho Y191). Database link: O43561
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride
	Without Mg+2 and Ca+2
纯度	Immunogen affinity purified
纯化说明	Affinity purified from rabbit antiserum by affinity chromatography using epitope specific phosphopeptide. The antibody against non phosphopeptide was removed by chromatography

using non phosphopeptide corresponding to the phosphorylation site.

克隆

多克隆

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab59197于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/500 - 1/1000. Detects a band of approximately 28 kDa (predicted molecular weight: 28 kDa).
IHC-P		Use at an assay dependent concentration.
ELISA		Use at an assay dependent concentration.

靶标

功能

Required for TCR (T-cell antigen receptor)- and pre-TCR-mediated signaling, both in mature T-cells and during their development. 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.

组织特异性

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).

翻译后修饰

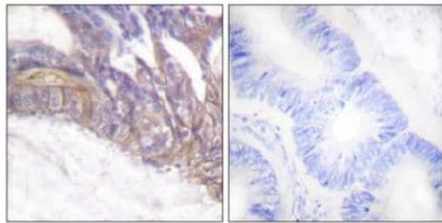
Phosphorylated on tyrosines by ZAP-70 upon TCR activation, or by SYK upon other immunoreceptor activation; which leads to the recruitment of multiple signaling molecules. Is one of the most prominently tyrosine-phosphorylated proteins detected following TCR engagement. May be dephosphorylated by PTPRJ.

Palmitoylation of Cys-26 and Cys-29 is required for raft targeting and efficient phosphorylation.

细胞定位

Cell membrane. Present in lipid rafts.

图片



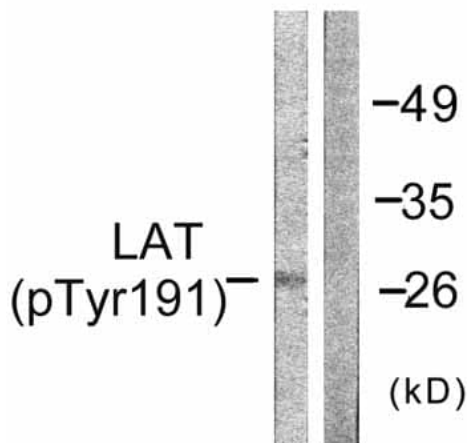
P-peptide

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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LAT (phospho Y191) antibody (ab59197)

Immunohistochemical analysis of paraffin embedded human colon carcinoma tissue using ab59197 at 1/50 dilution. Left: untreated. Right: sample treated with immunising peptide.



Western blot - Anti-LAT (phospho Y191) antibody (ab59197)

All lanes : Anti-LAT (phospho Y191) antibody (ab59197) at 1/500 dilution

Lane 1 : NIH3T3 cells treated with PMA

Lane 2 : NIH3T3 cells treated with PMA with phosphopeptide

Predicted band size: 28 kDa

Observed band size: 28 kDa

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