

LAX1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP56562

Specification

LAX1 Polyclonal Antibody - Product Information

Application WB, IHC-P, IHC-F, IF, ICC, E

Primary Accession

Host

Clonality

Calculated MW

Physical State

Q8IWV1

Rabbit

Polyclonal

44 KDa

Liquid

Immunogen KLH conjugated synthetic peptide derived

from human LAX1

Epitope Specificity 15-120/398

Isotype IgG

Purity

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Cell Membrane; Single-pass type III

membrane protein.

SUBUNIT When phosphorylated, interacts with

GRB2, PIK3R1 and GRAP2.

Post-translational modifications Phosphorylated on tyrosines by Syk, Lck or

ZAP70 upon TCR or BCR activation; which leads to the recruitment of GRB2, PIK3R1

and GRAP2.

Important Note This product as supplied is intended for

research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

affinity purified by Protein A

LAX1 is a 398 amino acid single-pass type III membrane protein that negatively regulates lymphocyte signaling. LAX1 is expressed in lymphoid tissues including thymus, spleen and peripheral blood leukocytes, along with several B-cell, T-cell, natural killer and monocyte cell lines. When stimulated by B or T cells, LAX1 becomes dramatically upregulated and also interacts with GRB2, Gads and PI 3-kinase p85 upon phosphorylation. LAX1 exists as two alternatively spliced isoforms that are encoded by a gene located on human chromosome 1. Chromosome 1 houses a large number of disease-associated genes, including those that are involved in familial adenomatous polyposis, Stickler syndrome, Parkinson's disease, Gaucher disease, schizophrenia and Usher syndrome.

LAX1 Polyclonal Antibody - Additional Information

Gene ID 54900

Other Names

Lymphocyte transmembrane adapter 1, Linker for activation of X cells, Membrane-associated



adapter protein LAX, LAX1, LAX

Target/Specificity

Expressed in spleen, thymus, and peripheral blood leukocytes. Expressed in several B-, T-, NK and monocyte cell lines.

Dilution

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<span class ="dilution_WB">WB~~1:1000</span><br \><span class
="dilution_IHC-P">IHC-P~~N/A</span><br \><span class
="dilution_IHC-F">IHC-F~~N/A</span><br \><span class
="dilution_IF">IF~~1:50~200</span><br \><span class ="dilution_ICC">ICC~~N/A</span><br \><span class ="dilution_ICC">ICC~~N/A</span><br \><span class ="dilution_ICC">ICC~~N/A</span><br \><span class ="dilution_ICC">ICC~~N/A</span>
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Storage

Store at -20 $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 $^{\circ}$ C.

LAX1 Polyclonal Antibody - Protein Information

Name LAX1

Synonyms LAX

Function

Negatively regulates TCR (T-cell antigen receptor)-mediated signaling in T-cells and BCR (B-cell antigen receptor)-mediated signaling in B-cells.

Cellular Location

Cell membrane; Single-pass type III membrane protein

Tissue Location

Expressed in spleen, thymus, and peripheral blood leukocytes. Expressed in several B-, T-, NK and monocyte cell lines

LAX1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

LAX1 Polyclonal Antibody - Images