

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	Q8I WV1
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LAX1
Epitope Specificity	15-120/398
Isotype	IgG
Purity	
affinity purified by Protein A	
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

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

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Storage

Store at -20 °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 °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 Cytometry](#)
- [Cell Culture](#)

LAX1 Polyclonal Antibody - Images