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CD79B Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP16684c

Specification

CD79B Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	P40259
Other Accession	NP_001035022.1
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit Ig**
Calculated MW	**26048**
Antigen Region	**93-121**

CD79B Antibody (Center) - Additional Information

Gene ID 974

Other Names
B-cell antigen receptor complex-associated protein beta chain, B-cell-specific glycoprotein B29, Ig-beta, Immunoglobulin-associated B29 protein, CD79b, CD79B, B29, IGB

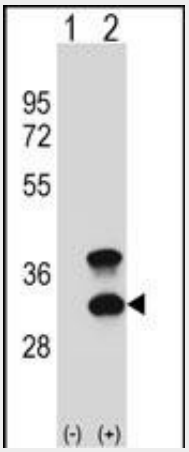
Target/Specificity
This CD79B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 93-121 amino acids from the Central region of human CD79B.

Dilution
WB~~1:1000

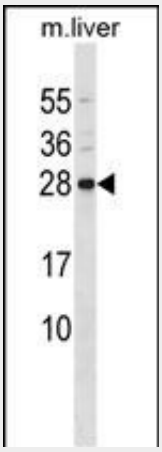
Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions



Western blot analysis of CD79B (arrow) using rabbit polyclonal CD79B Antibody (Center) (Cat. #AP16684c). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CD79B gene.



CD79B Antibody (Center) (Cat. #AP16684c) western blot analysis in mouse liver tissue lysates (35ug/lane).This demonstrates the CD79B antibody detected the CD79B protein (arrow).

CD79B Antibody (Center) - Background

The B lymphocyte antigen receptor is a multimeric complex

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CD79B Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

CD79B Antibody (Center) - Protein Information

Name CD79B

Synonyms B29, IGB

Function
Required in cooperation with CD79A for initiation of the signal transduction cascade activated by the B-cell antigen receptor complex (BCR) which leads to internalization of the complex, trafficking to late endosomes and antigen presentation. Enhances phosphorylation of CD79A, possibly by recruiting kinases which phosphorylate CD79A or by recruiting proteins which bind to CD79A and protect it from dephosphorylation.

Cellular Location
Cell membrane; Single-pass type I membrane protein. Note=Following antigen binding, the BCR has been shown to translocate from detergent-soluble regions of the cell membrane to lipid rafts although signal transduction through the complex can also occur outside lipid rafts.

Tissue Location
B-cells.

CD79B Antibody (Center) - 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

that includes the antigen-specific component, surface
immunoglobulin (Ig). Surface Ig non-covalently associates with two
other proteins, Ig-alpha and Ig-beta, which are necessary for
expression and function of the B-cell antigen receptor. This gene
encodes the Ig-beta protein of the B-cell antigen component.
Alternatively spliced transcript variants encoding different
isoforms have been described.

CD79B Antibody (Center) - References

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Hosgood, H.D. III, et al. Occup Environ Med 66(12):848-853(2009)
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