

**CD79B Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP16684c****Specification**

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**CD79B Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P40259</a>
Other Accession	<a href="#">NP_001035022.1</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
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

E~~Use at an assay dependent concentration.

**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**

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.

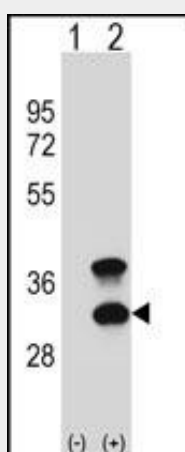
**Tissue Location**

B-cells.

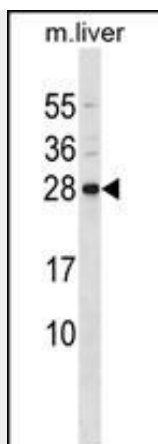
**CD79B Antibody (Center) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**CD79B Antibody (Center) - Images**

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 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**

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)  
Davila, S., et al. Genes Immun. 11(3):232-238(2010)  
Hosgood, H.D. III, et al. Occup Environ Med 66(12):848-853(2009)  
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)  
Liang, X.S., et al. Br. J. Haematol. 146(4):418-423(2009)