

Datasheet for ABIN3043398
anti-CD79b antibody (AA 29-229)

5 Images

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Overview

Quantity:	100 µg
Target:	CD79b (CD79B)
Binding Specificity:	AA 29-229
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD79b antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for B-cell antigen receptor complex-associated protein beta chain(CD79B) detection. Tested with WB, IHC-P, ICC in Human,Mouse,Rat.
Immunogen:	E.coli-derived human CD79b recombinant protein (Position: A29-E229). Human CD79b shares 70% amino acid (aa) sequence identity with mouse CD79b.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for B-cell antigen receptor complex-associated protein beta chain(CD79B) detection. Tested with WB, IHC-P, ICC in Human,Mouse,Rat.</p> <p>Gene Name: CD79b molecule, immunoglobulin-associated beta</p> <p>Protein Name: B-cell antigen receptor complex-associated protein beta chain</p>

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: CD79b (CD79B)

Alternative Name: CD79B ([CD79B Products](#))

Background: CD79b molecule, immunoglobulin-associated beta, also known as CD79B (Cluster of Differentiation 79B), is a human gene. By fluorescence in situ hybridization, It is mapped to 17q23.3. The CD79B protein together with the related CD79A protein, forms a dimer associated with membrane bound immunoglobulin in B-cells, thus forming the B-cell antigen receptor (BCR) which is a multimeric complex that includes the antigen-specific component, surface immunoglobulin (Ig). CD79b also can enhances phosphorylation of CD79A, possibly by recruiting kinases which phosphorylate CD79A or by recruiting proteins which bind to CD79A and protect it from dephosphorylation.

Synonyms: AGM6 antibody|B cell antigen receptor complex associated protein beta chain antibody|B cell specific glycoprotein B29 antibody|B-cell antigen receptor complex-associated protein beta chain antibody|B-cell-specific glycoprotein B29 antibody|B29 antibody|B29/Ig-beta/CD79b antibody|CD 79b antibody|CD79b antibody|CD79b antigen (immunoglobulin associated beta) antibody|CD79b antigen antibody|CD79b molecule antibody|CD79b molecule immunoglobulin associated beta antibody|CD79b protein antibody|CD79B_HUMAN antibody|Ig beta antibody|Ig-beta antibody|IGB antibody|Igbeta antibody|Immunoglobulin associated B29 antibody|Immunoglobulin associated B29 protein antibody|Immunoglobulin associated beta antibody|Immunoglobulin associated protein antibody|Immunoglobulin-associated B29 protein antibody|MGC108607 antibody

Gene ID: 974

UniProt: [P40259](#)

Pathways: [BCR Signaling](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, The detection limit for CD79b is approximately 0.25 ng/lane under reducing conditions.

IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the

Application Details

staining of formalin/paraffin sections.

IHC-F: Concentration: 0.5-1 µg/mL, Tested Species: Human

Notes: Tested Species: Species with positive results. Other applications have not been tested.

Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P) and ICC.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

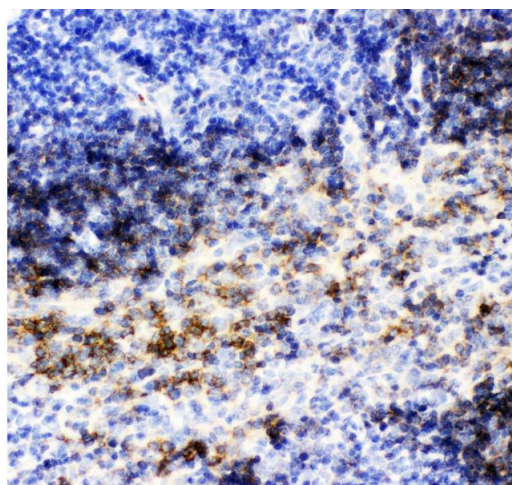
Storage: 4 °C/-20 °C

Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.



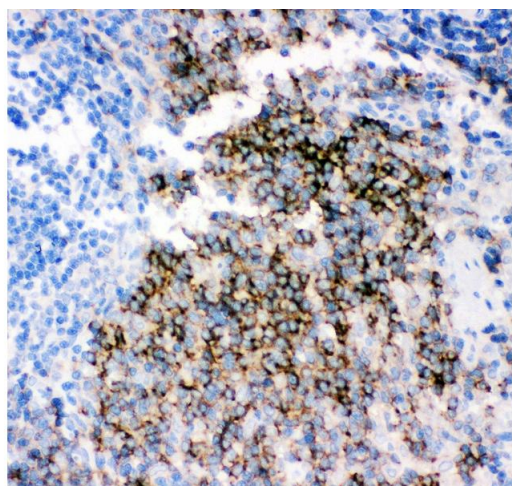
Western Blotting

Image 1. Anti- CD79B picoband antibody, Western blotting
All lanes: Anti CD79B at 0.5ug/ml WB: Recombinant Human CD79B Protein 0.5ng Predicted bind size: 45KD Observed bind size: 45KD



Immunohistochemistry

Image 2. Anti- CD79B picoband antibody, IHC(P) IHC(P):
Mouse Spleen Tissue



Immunohistochemistry

Image 3. Anti- CD79B picoband antibody, IHC(P) IHC(P): Rat
Spleen Tissue

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3043398.