

Anti-CD79b Picoband Antibody
Catalog # ABO11864**Specification**

Anti-CD79b Picoband Antibody - Product Information

Application	WB, IHC-P, ICC
Primary Accession	P40259
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

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.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-CD79b Picoband Antibody - 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

Calculated MW

26048 MW KDa

Application Details

Immunohistochemistry(Frozen Section), 0.5-1 µg/ml, Human,
-
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By
Heat
Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization

Cell membrane; Single-pass type I membrane protein. 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 Specificity

B-cells.

Protein Name

B-cell antigen receptor complex-associated protein beta chain

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃.

Immunogen

E.coli-derived human CD79b recombinant protein (Position: A29-E229). Human CD79b shares 70% amino acid (aa) sequence identity with mouse CD79b.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

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.

Sequence Similarities

Contains 1 Ig-like V-type (immunoglobulin-like) domain.

Anti-CD79b Picoband Antibody - 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

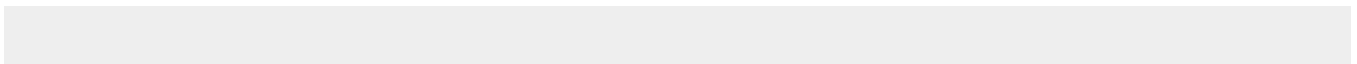
B-cells.

Anti-CD79b Picoband 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](#)

Anti-CD79b Picoband Antibody - Images

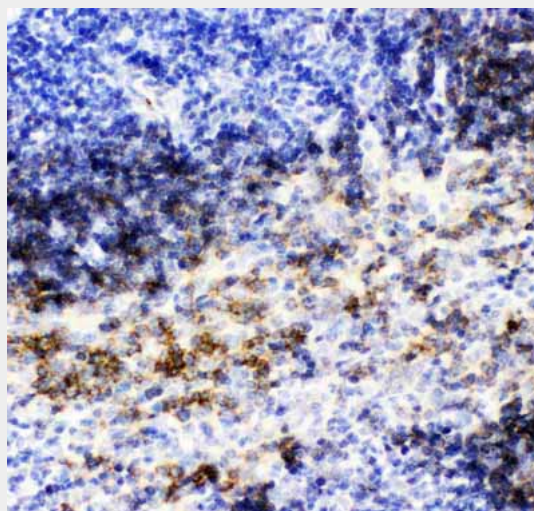




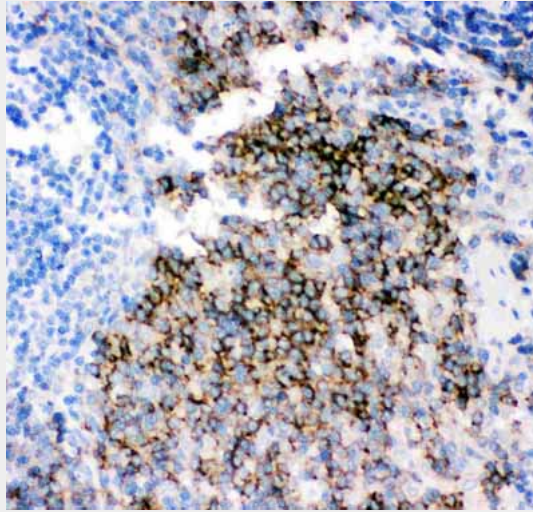
Anti- CD79B picoband antibody, ABO11864, Western blottingAll lanes: Anti CD79B (ABO11864) at 0.5ug/mlWB: Recombinant Human CD79B Protein 0.5ngPredicted bind size: 45KDObserved bind size: 45KD



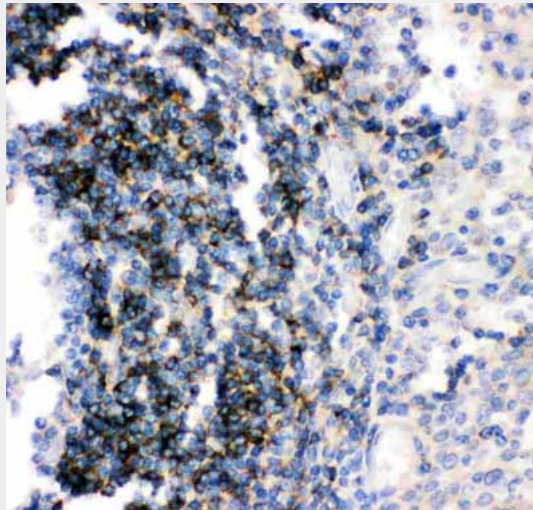
Anti- CD79B picoband antibody, ABO11864, Western blottingAll lanes: Anti CD79b (ABO11864) at 0.5ug/mlLane 1: Raji Whole Cell Lysate at 40ugLane 2: HI-60 Whole Cell Lysate at 40ugLane 3: HUT Whole Cell Lysate at 40ugPredicted bind size: 26KDObserved bind size: 35KD



Anti- CD79B picoband antibody, ABO11864,IHC(P)IHC(P): Mouse Spleen Tissue



Anti- CD79B picoband antibody, ABO11864,IHC(P)IHC(P): Rat Spleen Tissue



Anti- CD79B picoband antibody, ABO11864,IHC(P)IHC(P): Human Tonsil Tissue

Anti-CD79b Picoband Antibody - 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.