

Anti-CD79b Picoband Antibody

Catalog # ABO11864

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.

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
Application Details	Immunohistochemistry(Frozen Section), 0.5-1 μ g/ml, Human, - Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5 μ g/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.
Source	Eukaryota
Protein Name	B-cell antigen receptor complex-associated protein beta chain
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
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 r° Constitution, 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.

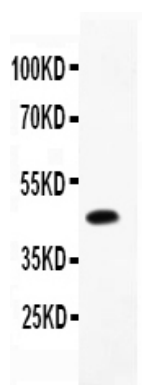
Protein Information

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.

Background

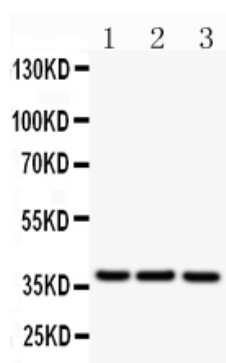
CD79b molecule, immunoglobulin-associated beta, also known as CD79B (Cluster of Differentiation 79B), is a human gene. By fluorescence in situ hybridization, It is mapped to 17q23.3. The CD79B protein together with the related CD79A protein, forms a dimer associated with membrane bound immunoglobulin 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.

Images

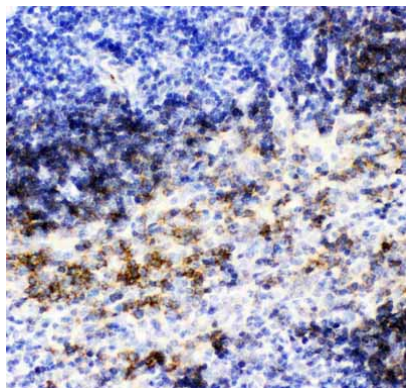


Anti- CD79B picoband antibody, ABO11864, Western blotting
All lanes: Anti CD79B (ABO11864) at 0.5ug/ml
WB: Recombinant Human CD79B Protein 0.5ng
Predicted bind size: 45KD
Observed bind size: 45KD

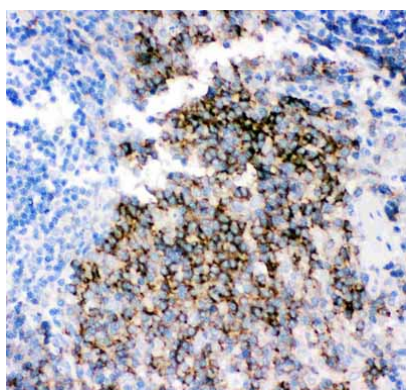
Anti- CD79B picoband antibody, ABO11864, Western



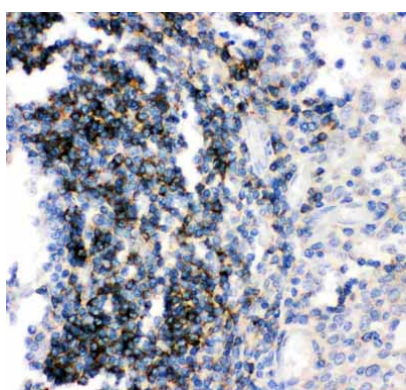
blottingAll lanes: Anti CD79b (ABO11864) at 0.5ug/ml
Lane 1: Raji Whole Cell Lysate at 40ug
Lane 2: HI-60 Whole Cell Lysate at 40ug
Lane 3: HUT Whole Cell Lysate at 40ug
Predicted bind size: 26KD
Observed bind size: 35KD



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.