

Anti-CD79a Picoband Antibody

Catalog # ABO11863

Product Information

Application	WB, IHC-P, ICC
Primary Accession	P11912
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for B-cell antigen receptor complex-associated protein alpha chain(CD79A) detection. Tested with WB, IHC-P, ICC in Human;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	973
Other Names	B-cell antigen receptor complex-associated protein alpha chain, Ig-alpha, MB-1 membrane glycoprotein, Membrane-bound immunoglobulin-associated protein, Surface IgM-associated protein, CD79a, CD79A, IGA, MB1
Calculated MW	25038
Application Details	Immunohistochemistry(Frozen Section), 0.5-1 μ g/ml, Human, - Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, By Heat Western blot, 0.1-0.5 μ g/ml, Human, Rat
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 alpha chain
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	E.coli-derived human CD79a recombinant protein (Position: T121-P226). Human CD79a shares 91% amino acid (aa) sequence identity with mouse CD79a.

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 C2-type (immunoglobulin-like) domain.

Protein Information

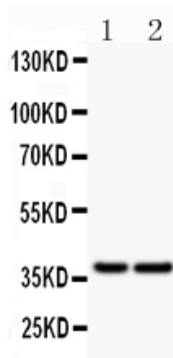
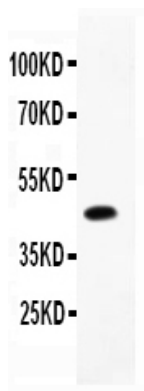
Name	CD79A
Synonyms	IGA, MB1
Function	Required in cooperation with CD79B for initiation of the signal transduction cascade activated by binding of antigen to the B- cell antigen receptor complex (BCR) which leads to internalization of the complex, trafficking to late endosomes and antigen presentation. Also required for BCR surface expression and for efficient differentiation of pro- and pre-B-cells. Stimulates SYK autophosphorylation and activation. Binds to BLNK, bringing BLNK into proximity with SYK and allowing SYK to phosphorylate BLNK. Also interacts with and increases activity of some Src-family tyrosine kinases. Represses BCR signaling during development of immature B- cells.
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

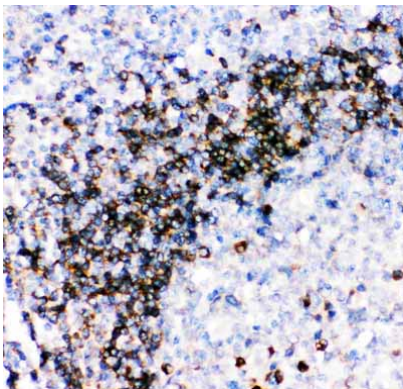
Cluster of differentiation CD79A also known as B-cell antigen receptor complex-associated protein alpha chain and MB-1 membrane glycoprotein, is a protein that in humans is encoded by the CD79A gene. It is mapped to 19q13.2. CD79A is a membrane protein with an extracellular immunoglobulin domain, a single span transmembrane region and a short cytoplasmic domain. Genetic deletion of the transmembrane exon of CD79A results in loss of CD79A protein and a complete block of B cell development at the pro to pre B cell transition. Similarly, humans with homozygous splice variants in CD79A predicted to result in loss of the transmembrane region and a truncated or absent protein display agammaglobulinemia and no peripheral B cells.

Images

Anti- CD79A picoband antibody, ABO11863, Western blottingAll lanes: Anti CD79a (ABO11863) at 0.5ug/mlWB: Recombinant human CD79a Protein 0.5ngPredicted bind size: 45KD
Observed bind size: 45KD



Anti- CD79A picoband antibody, ABO11863, Western blotting
 All lanes: Anti CD79a (ABO11863) at 0.5ug/ml
 Lane 1: Human Placenta Tissue Lysate at 50ug
 Lane 2: Rat Spleen Tissue Lysate at 50ug
 Predicted bind size: 25KD
 Observed bind size: 37KD



Anti- CD79A picoband antibody, ABO11863, IHC(P)
 Human Tonsil Tissue

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