Product Name: CD79b Rabbit Polyclonal Antibody
Catalog #: APRab08458

Summary

Production Name	CD79b Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	CD79B
Alternative Names	CD79B; B29; IGB; B-cell antigen receptor complex-associated protein beta chain; B-cell-specific glycoprotein B29; Ig-beta; Immunoglobulin-associated B29 protein; CD79b
Gene ID	974.0
SwissProt ID	P40259.The antiserum was produced against synthesized peptide derived from the Internal region of human CD79B. AA range:61-110

Application

Dilution Ratio	WB 1:500 - 1:2000. IHC: 1:100-300 ELISA: 1:20000..
Molecular Weight	37kD

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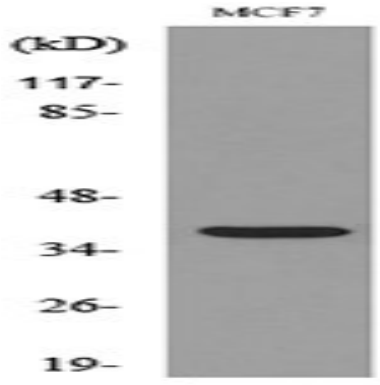
Background

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. [provided by RefSeq, Jul 2008],disease:Defects in CD79B are a cause of non-Bruton type agammaglobulinemia [MIM:601495]. Agammaglobulinemia is an immunodeficiency disease which results in developmental defects in the maturation pathway of B-cells.,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.,online information:CD79B mutation db,PTM:Phosphorylated on tyrosine upon B-cell activation.,similarity:Contains 1 Ig-like V-type (immunoglobulin-like) domain.,similarity:Contains 1 ITAM domain.,subcellular location: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.,subunit:Heterodimer of alpha and beta chains; disulfide-linked. Part of the B-cell antigen receptor complex where the alpha/beta chain heterodimer is non-covalently associated with an antigen-specific membrane-bound surface immunoglobulin of two heavy chains and two light chains.,tissue specificity:B-cells.,

Research Area

B_Cell_Antigen;

Image Data



Western blot analysis of lysate from MCF7 cells, using CD79B Antibody.

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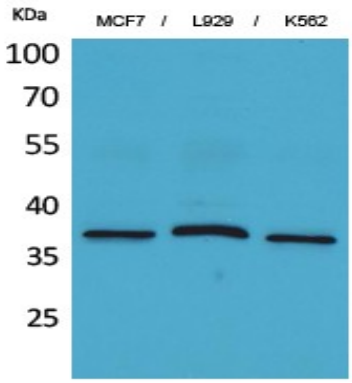
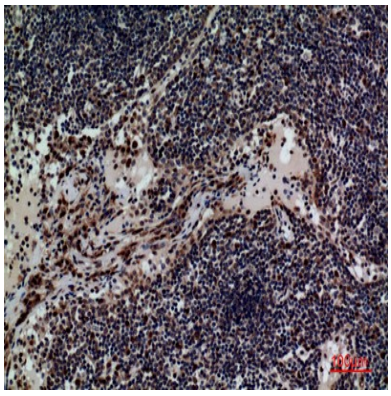
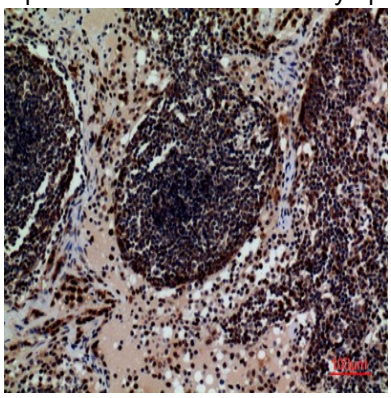


Western Blot analysis of MCF7, L929, K562 cells using CD79b Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-lymph, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-lymph, antibody was diluted at 1:100

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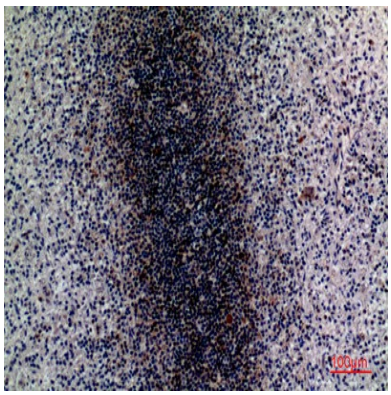

Immunohistochemical analysis of paraffin-embedded human-spleen, antibody was diluted at 1:100

Note

For research use only.