



Rabbit Anti-VPREB1 antibody

SL12326R

Product Name:	VPREB1
Chinese Name:	Blymphocyte前体蛋白1抗体
Alias:	CD179 antigen like family member A; CD179 antigen-like family member A; CD179a; IGI; IGVPB; Immunoglobulin iota chain; Pre B lymphocyte 1; pre-B lymphocyte 1; Protein VPreB1; V(pre)B protein; VPREB 1; VPREB; VpreB protein; VPREB HUMAN; VPREB1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	15kDa
Cellular localization:	Extracellular matrix
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from Human VPREB1/CD179a:61-145/145
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	VpreB is expressed in pre-B lymphocytes, but not in mature B cells or in other blood cell lineages. The gene which encodes VpreB maps to human chromosome 22q11.2. The VpreB and Lambda 5 genes encode the Iota and Omega polypeptide chains, respectively, which associate with the Ig-Mu chain to form a molecular complex that is

expressed on the surface of pre-B cells. This complex presumably regulates Ig gene rearrangements in the early steps of B cell differentiation. In the mouse the two genes are simultaneously expressed in pre-B cells and belong to the same transcription unit. A primary transcript is synthesized from which the pre-B and Lambda 5 mRNAs are derived by alternative splicing. In the human, however, the two genes are separate and do not belong to the same transcription unit.

Function:

Associates with the Ig-mu chain to form a molecular complex that is expressed on the surface of pre-B-cells. This complex presumably regulates Ig gene rearrangements in the early steps of B-cell differentiation.

Subunit:

Associates non-covalently with IGLL1.

Tissue Specificity:

Only expressed by pre-B-cells.

Similarity:

Belongs to the immunoglobulin superfamily.

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

SWISS:

P12018

Gene ID:

7441

Database links:

[Entrez Gene: 7441](#) Human

[Entrez Gene: 22362](#) Mouse

[Omim: 605141](#) Human

[SwissProt: P12018](#) Human

[SwissProt: P13372](#) Mouse

[Unigene: 247979](#) Human

[Unigene: 57574](#) Mouse

Important Note:

	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
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