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IGLC1 Antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI16019

Product Information

Application	WB
Primary Accession	P0CG04
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	11348

Additional Information

Other Names	Ig lambda-1 chain C regions, IGLC1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 &mu, l of distilled water. Final Anti-IGLC1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.
Precautions	IGLC1 Antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	IGLC1 {ECO:0000303|PubMed:11872955, ECO:0000303|Ref.6}
Function	Constant region of immunoglobulin light chains. Immunoglobulins, also known as antibodies, are membrane-bound or secreted glycoproteins produced by B lymphocytes. In the recognition phase of humoral immunity, the membrane-bound immunoglobulins serve as receptors which, upon binding of a specific antigen, trigger the clonal expansion and differentiation of B lymphocytes into immunoglobulins- secreting plasma cells. Secreted immunoglobulins mediate the effector phase of humoral immunity, which results in the elimination of bound antigens (PubMed:20176268, PubMed:22158414). The antigen binding site is formed by the variable domain of one heavy chain, together with that of its associated light chain. Thus, each immunoglobulin has two antigen binding sites with remarkable affinity for a particular antigen. The variable domains are assembled by a process called V-(D)-J rearrangement and can then be subjected to somatic hypermutations which, after exposure to antigen and selection, allow affinity maturation for a particular antigen (PubMed:17576170, PubMed:20176268).

Cellular Location Secreted. Cell membrane

References

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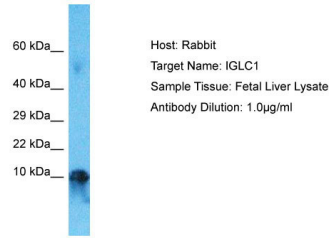
Vasicek T.J.,et al.J. Exp. Med. 172:609-620(1990).
Hieter P.A.,et al.Nature 294:536-540(1981).
Edmundson A.B.,et al.Biochemistry 14:3953-3961(1975).
Ely K.R.,et al.J. Mol. Biol. 210:601-615(1989).

Images



Host: Rabbit
Target Name: IGLC1
Sample Tissue: Fetal Liver lysates
Antibody Dilution: 1.0µg/ml