



IgM Chain C Polyclonal Antibody

Catalog No	BYab-10595
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	IGHM
Protein Name	IgM Chain C
Immunogen	Synthesized peptide derived from IgM Chain C at AA range: 391-440
Specificity	IgM Chain C Polyclonal Antibody detects endogenous levels of IgM Chain C
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC-p: 100-300.WB 1:500-2000, ELISA 1:10000-20000. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Ig mu chain C region
Observed Band	50kD
Cell Pathway	[Isoform 1]: Secreted. During differentiation, B-lymphocytes switch from expression of membrane-bound IgM to secretion of IgM.; [Isoform 2]: Cell membrane; Single-pass type I membrane protein.
Tissue Specificity	Dermoid tumor,Esophagus tumor,Glandular pool- thyroid,Liver,Neuroblastoma,P
Function	disease:Chromosomal aberrations involving IGHG1 may be a cause of multiple myeloma [MIM:254500]. Translocation t(11;14)(q13;q32) with CCND1; translocation t(4;14)(p16.3;q32.3) with FGFR3; translocation t(6;14)(p25;q32) with IRF4.,miscellaneous:Disease protein OMM may represent an allelic form or another gamma chain subclass.,miscellaneous:Disease protein WIS is lacking most of the V region and all of the CH1 region.,miscellaneous:Disease protein ZUC lack most of the V region, all of the CH1 region, and part of the hinge compared with normal gamma-3 heavy chains.,miscellaneous:EU also differs in the amidation states of residues 155, 166, 177, 195, 198, 269, and 272 and in the order of residues 268-272.,miscellaneous:KOL also differs in the amidation states of residues 198, 267 and 272.,miscellaneous:Nie also differs in the amidation

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states of 35, 116, 198, 269 and 272.,miscellaneous:Nie h

Background

Immunoglobulins (Ig) are the antigen recognition molecules of B cells. An Ig molecule is made up of 2 identical heavy chains and 2 identical light chains (see MIM 147200) joined by disulfide bonds so that each heavy chain is linked to a light chain and the 2 heavy chains are linked together. Each Ig heavy chain has an N-terminal variable (V) region containing the antigen-binding site and a C-terminal constant (C) region, encoded by an individual C region gene, that determines the isotype of the antibody and provides effector or signaling functions. The heavy chain V region is encoded by 1 each of 3 types of genes: V genes (see MIM 147070), joining (J) genes (see MIM 147010), and diversity (D) genes (see MIM 146910). The C region genes are clustered downstream of the V region genes within the heavy chain locus on chromosome 14. TheIGHM gene encodes the C region of the mu heavy chain, which d

matters needing attention

Avoid repeated freezing and thawing!

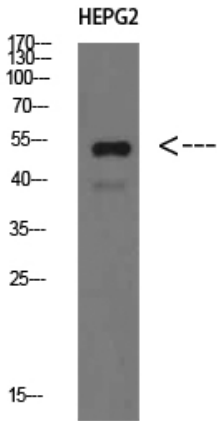
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

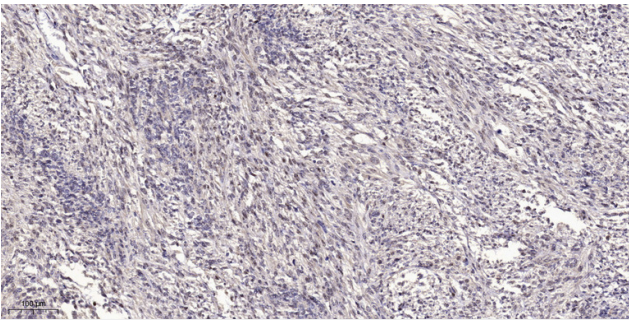
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Products Images



Western Blot analysis of HEPG2 cells using IgM Chain C Polyclonal Antibody diluted at 1:500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human small intestinal carcinoma tissue. 1,primary Antibody was diluted at 1:200(4° overnight). 2, Sodium citrate pH 6.0 was used for antigen retrieval(>98° C,20min). 3,Secondary antibody was diluted at 1:200