

C4 Gamma Chain Monoclonal antibody

Catalog Number: 66242-1-Ig

Basic Information

Catalog Number: 66242-1-Ig	GenBank Accession Number: BC012372	Purification Method: Protein G purification
Concentration: 1000 ug/ml	GeneID (NCBI): 720	CloneNo.: 2G6A7
Source: Mouse	UNIPROT ID: POCOL4	Recommended Dilutions: WB 1:2000-1:16000 IHC 1:400-1:1600 IF-P 1:200-1:800
Isotype: IgG1	Full Name: complement component 4A (Rodgers blood group)	
Immunogen Catalog Number: AG10449	Calculated MW: 1744 aa, 193 kDa	
	Observed MW: 31 kDa	

Applications

Tested Applications: WB, IHC, IF-P, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : human plasma tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human liver tissue,
	IF-P : human liver tissue,

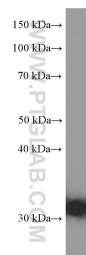
Background Information

Complement C4, a component of the classical complement pathway, has an important role in innate immune function. C4 protein is expressed as a single chain precursor which is proteolytically cleaved into a trimer of alpha, beta, and gamma chains (molecular weights 95, 78, and 31 kDa) prior to secretion. The alpha chain is cleaved to release C4 anaphylatoxin, an antimicrobial peptide and a mediator of local inflammation. This antibody raised against 1543-1744aa of human C4-A protein recognizes C4 gamma chain.

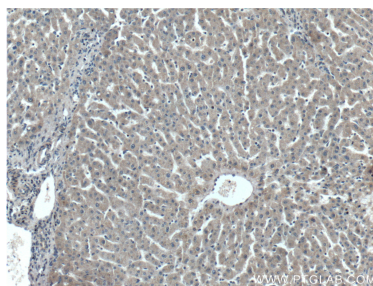
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

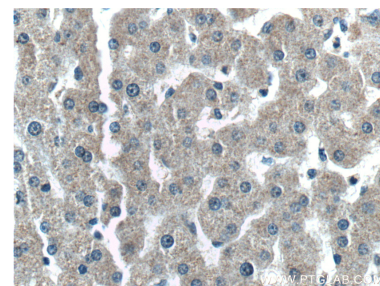
Selected Validation Data



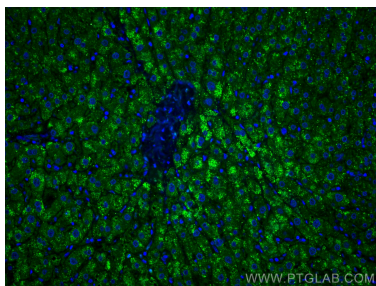
human plasma were subjected to SDS PAGE followed by western blot with 66242-1-Ig (C4 gamma chain antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66242-1-Ig (C4 gamma chain antibody) at dilution of 1:800 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66242-1-Ig (C4 gamma chain antibody) at dilution of 1:800 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed human liver tissue using C4 Gamma Chain antibody (66242-1-Ig, Clone: 2G6A7) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).