

For Research Use Only

C1QA Monoclonal antibody

Catalog Number: 67063-1-Ig **5 Publications**



Basic Information

Catalog Number: 67063-1-Ig	GenBank Accession Number: BC030153	Purification Method: Protein G purification
Size: 150ul , Concentration: 1100 ug/ml by Nanodrop and 500 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 712	CloneNo.: 1B10E3
Source: Mouse	UNIPROT ID: P02745	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000 IF/ICC 1:200-1:800
Isotype: IgG1	Full Name: complement component 1, q subcomponent, A chain	
Immunogen Catalog Number: AG28622	Calculated MW: 245 aa, 26 kDa	
	Observed MW: 30 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : human plasma tissue, human blood tissue IHC : human liver tissue, IF/ICC : HepG2 cells,
Cited Applications: WB, IHC, IF	
Species Specificity: human	
Cited Species: human, mouse	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

The first component of complement, C1, is a calcium-dependent complex of the 3 subcomponents C1q, C1r, and C1s. C1q is composed of 18 polypeptide chains: six A-chains, six B-chains, and six C-chains. Each chain contains a collagen-like region located near the N terminus and a C-terminal globular region. Deficiency of C1q has been associated with lupus erythematosus and glomerulonephritis. This antibody is raised against C1qA which is the A-chain polypeptide of human complement subcomponent C1q.

Notable Publications

Author	Pubmed ID	Journal	Application
Hanji Huang	33707956	Onco Targets Ther	WB
Han Li	36611882	Cells	IF
Rui Liu	38817876	J Cancer	IHC

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

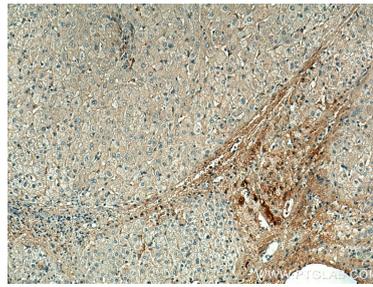
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

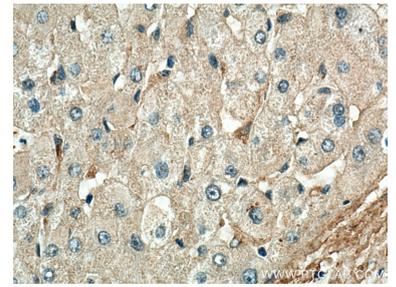
Selected Validation Data



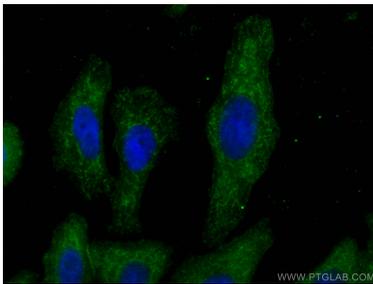
human plasma were subjected to SDS PAGE followed by western blot with 67063-1-Ig (C1QA antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 67063-1-Ig (C1QA antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 67063-1-Ig (C1QA antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using C1QA antibody (67063-1-Ig, Clone: 1B10E3) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).