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C1QC Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP11931C

Specification

C1QC Antibody (Center) - Product Information

Application	**WB, IF, FC, IHC-P,E**
Primary Accession	P02747
Other Accession	NP_758957.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**25774**
Antigen Region	**93-120**

C1QC Antibody (Center) - Additional Information

Gene ID 714

Other Names
Complement C1q subcomponent subunit C, C1QC, C1QG

Target/Specificity
This C1QC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 93-120 amino acids from the Central region of human C1QC.

Dilution
WB~~1:1000
IF~~1:10~50
FC~~1:10~50
IHC-P~~1:10~50
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
C1QC Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

C1QC Antibody (Center) - Protein Information

Name C1QC

Synonyms C1QG

Function C1q associates with the proenzymes C1r and C1s to yield C1, the first component of the serum complement system. The collagen-like regions of C1q interact with the Ca(2+)-dependent C1r(2)C1s(2) proenzyme complex, and efficient activation of C1 takes place on interaction of the globular heads of C1q with the Fc regions of IgG or IgM antibody present in immune complexes.

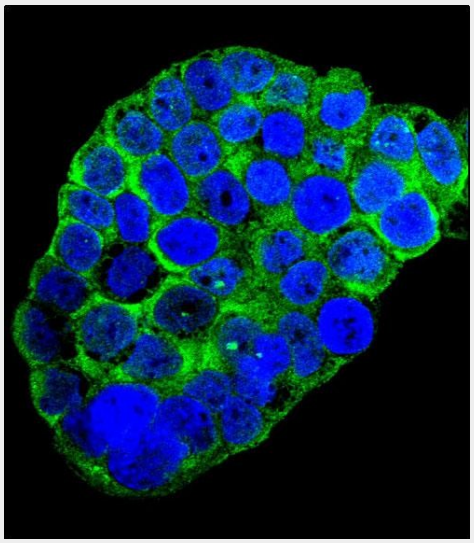
Cellular Location
Secreted.

C1QC Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

C1QC Antibody (Center) - Images



Confocal immunofluorescent analysis of C1QC Antibody (Center)(Cat#AP11931c) with WiDr cell followed by Alexa Fluor? 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).

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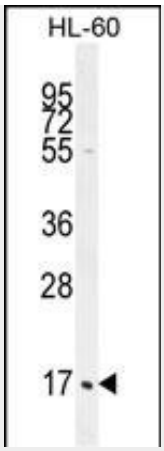
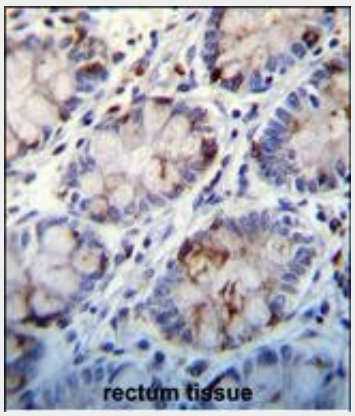
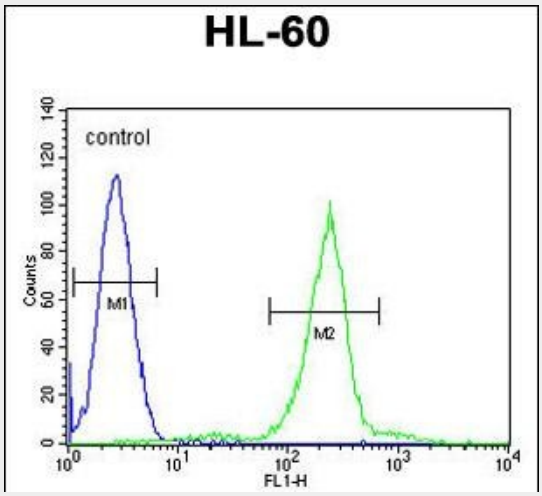


C1QC Antibody (Center) (Cat. #AP11931c) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the C1QC antibody detected the C1QC protein (arrow).



C1QC Antibody (Center) (Cat. #AP11931c)immunohistochemistry analysis in formalin fixed and paraffin embedded human rectum tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of C1QC Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



C1QC Antibody (Center) (Cat. #AP11931c) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

C1QC Antibody (Center) - Background

This gene encodes a major constituent of the human complement subcomponent C1q. C1q associates with C1r and C1s in order to yield the first component of the serum complement system. A deficiency in C1q has been associated with lupus erythematosus and glomerulonephritis. 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. The A-, B-, and C-chains are arranged in the order A-C-B on chromosome 1. This gene encodes the C-chain polypeptide of human complement subcomponent C1q. Alternatively spliced transcript variants that encode the same protein have been found for this gene.

C1QC Antibody (Center) - References

Fraser, D.A., et al. J. Immunol. 185(7):3932-3939(2010)
Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Rafiq, S., et al. Clin. Exp. Immunol. 161(2):284-289(2010)
Han, S., et al. Hum. Immunol. 71(7):727-730(2010)
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