

**C1QA Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP7324b**

**Specification**

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**C1QA Antibody (C-term) - Product Information**

Application	<b>WB, IHC-P, FC,E</b>
Primary Accession	<a href="#">P02745</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Calculated MW	<b>26017</b>
Antigen Region	<b>198-227</b>

**C1QA Antibody (C-term) - Additional Information**

**Gene ID** 712

**Other Names**

Complement C1q subcomponent subunit A, C1QA

**Target/Specificity**

This C1QA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 198-227 amino acids from the C-terminal region of human C1QA.

**Dilution**

WB~~1:1000  
IHC-P~~1:50~100  
FC~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**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**

C1QA Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**C1QA Antibody (C-term) - Protein Information**

**Name** C1QA

**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.

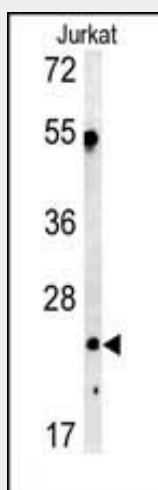
**Cellular Location**  
Secreted.

### C1QA Antibody (C-term) - Protocols

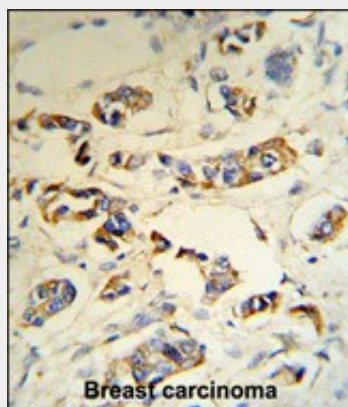
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

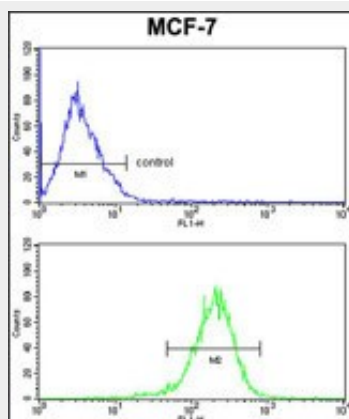
### C1QA Antibody (C-term) - Images



Western blot analysis of C1QA antibody (C-term) (Cat.#AP7324b) in Jurkat cell line lysates (35ug/lane). C1QA (arrow) was detected using the purified Pab.



C1QA Antibody (C-term) (RB18692) IHC analysis in formalin fixed and paraffin embedded human breast carcinoma tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the C1QA Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



C1QA Antibody (C-term) (Cat.#AP7324b) FC analysis of MCF-7 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### **C1QA Antibody (C-term) - Background**

C1QA is 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. Deficiency of 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.

#### **C1QA Antibody (C-term) - References**

- Dardiotis,E., Koutsou,P. J. Neurol. Sci. (2009) In press
- Martens,H.A., Zuurman,M.W. Ann. Rheum. Dis. 68 (5), 715-720 (2009)
- Racila,E., Link,B.K. Clin. Cancer Res. 14 (20), 6697-6703 (2008)
- Sjoberg,A.P., Nystrom,S. Mol. Immunol. 45 (11), 3213-3221 (2008)