

## Product datasheet

### Anti-C1QA antibody [EPR2979(2)] ab108325

Recombinant RabMAb

[1 References](#) [2 Images](#)

#### Overview

<b>Product name</b>	Anti-C1QA antibody [EPR2979(2)]
<b>Description</b>	Rabbit monoclonal [EPR2979(2)] to C1QA
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB <b>Unsuitable for:</b> Flow Cyt or IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	Human plasma and serum lysates.
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Frozen Stock (-20C). Shelf life 12 months.
<b>Storage buffer</b>	<p>pH: 7.20</p> <p>Preservative: 0.05% Sodium azide</p> <p>Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant</p>
<b>Purity</b>	Tissue culture supernatant
<b>Clonality</b>	Monoclonal

**Clone number**                      EPR2979(2)

**Isotype**                              IgG

## Applications

**The Abpromise guarantee**              Our **Abpromise guarantee** covers the use of ab108325 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

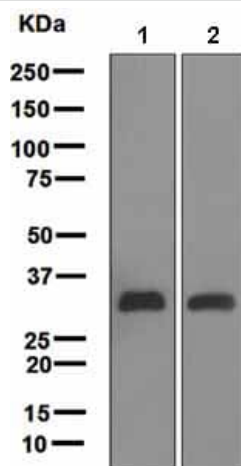
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 26 kDa.

**Application notes**                      Is unsuitable for Flow Cyt or IHC-P.

## Target

<b>Function</b>	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.
<b>Involvement in disease</b>	Defects in C1QA are the cause of complement component C1qA deficiency (C1QAD) [MIM:120550]. A rare defect resulting in C1 deficiency and impaired activation of the complement classical pathway. C1 deficiency generally leads to severe immune complex disease with features of systemic lupus erythematosus and glomerulonephritis.
<b>Sequence similarities</b>	Contains 1 C1q domain. Contains 1 collagen-like domain.
<b>Post-translational modifications</b>	O-linked glycans consist of Glc-Gal disaccharides bound to the oxygen atom of post-translationally added hydroxyl groups.
<b>Cellular localization</b>	Secreted.

## Images



Western blot - Anti-C1QA antibody [EPR2979(2)]  
(ab108325)

**All lanes :** Anti-C1QA antibody [EPR2979(2)] (ab108325) at  
1/1000 dilution

**Lane 1 :** Human plasma lysate

**Lane 2 :** Human serum lysates

Lysates/proteins at 10 µg per lane.

**Predicted band size:** 26 kDa

Why choose a  
recombinant antibody?



**Research with  
confidence**  
Consistent and  
reproducible results



**Long-term and  
scalable supply**  
Recombinant  
technology



**Success from the  
first experiment**  
Confirmed  
specificity



**Ethical standards  
compliant**  
Animal-free  
production

Anti-C1QA antibody [EPR2979(2)] (ab108325)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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