Anti-C1q antibody (HRP) ab46191

Overview

Product name: Anti-C1q antibody (HRP)
Description: Sheep polyclonal to C1q (HRP)
Host species: Sheep
Conjugation: HRP
Tested applications: Suitable for: ELISA
Species reactivity: Reacts with: Human
Immunogen: Human C1q

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Store at +4°C.
Storage buffer: Preservative: 0.01% Thimerosal (merthiolate)
Constituent: PBS
Purity: Protein G purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab46191 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELISA</td>
<td></td>
<td>1/100 - 1/400.</td>
</tr>
</tbody>
</table>

Target

Function: C1q associates with the proenzymes C1r and C1s to yield C1, the first component of the serum
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.

<table>
<thead>
<tr>
<th>Involvement in disease</th>
<th>Defects in C1QA are a cause of complement component C1q deficiency (C1QD) [MIM:613652]. 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.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sequence similarities</td>
<td>Contains 1 C1q domain.</td>
</tr>
<tr>
<td></td>
<td>Contains 1 collagen-like domain.</td>
</tr>
<tr>
<td>Post-translational modifications</td>
<td>O-linked glycans consist of Glc-Gal disaccharides bound to the oxygen atom of post-translationally added hydroxyl groups.</td>
</tr>
<tr>
<td>Cellular localization</td>
<td>Secreted.</td>
</tr>
</tbody>
</table>

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