**Overview**

<table>
<thead>
<tr>
<th><strong>Product name</strong></th>
<th>Anti-Factor B antibody</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>Goat polyclonal to Factor B</td>
</tr>
<tr>
<td><strong>Host species</strong></td>
<td>Goat</td>
</tr>
<tr>
<td><strong>Specificity</strong></td>
<td>In immunoelectrophoresis against Human EDTA plasma a single precipitin line is obtained in the beta-2 region. The antiserum does not react with any other protein component of Human serum or plasma. The antiserum does not cross-react with any other Human plasma proteins as tested in gel-diffusion techniques. Inter-species cross-reactivity is a normal feature of antibodies to plasma proteins, since homologous proteins of different species frequently share antigenic determinants. Cross-reactivity of ab150494 has not been tested in detail, however in double radial immunodiffusion a weak reaction with mouse has been observed.</td>
</tr>
</tbody>
</table>

**Tested applications**  
**Species reactivity**  
**Immunogen**  
**Positive control**

- **Suitable for**: IHC-P, Immunodiffusion
- **Reacts with**: Human
- Human Factor B
- Human adrenal and liver tissues.

**Properties**

<table>
<thead>
<tr>
<th><strong>Form</strong></th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Storage instructions</strong></td>
<td>Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.</td>
</tr>
<tr>
<td><strong>Purity</strong></td>
<td>Immunogen affinity purified</td>
</tr>
<tr>
<td><strong>Clonality</strong></td>
<td>Polyclonal</td>
</tr>
<tr>
<td><strong>Isotype</strong></td>
<td>IgG</td>
</tr>
</tbody>
</table>

**Applications**

Our Abpromise guarantee covers the use of ab150494 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
Function

Factor B which is part of the alternate pathway of the complement system is cleaved by factor D into 2 fragments: Ba and Bb. Bb, a serine protease, then combines with complement factor 3b to generate the C3 or C5 convertase. It has also been implicated in proliferation and differentiation of preactivated B-lymphocytes, rapid spreading of peripheral blood monocytes, stimulation of lymphocyte blastogenesis and lysis of erythrocytes. Ba inhibits the proliferation of preactivated B-lymphocytes.

Involvement in disease

Defects in CFB are a cause of susceptibility to hemolytic uremic syndrome atypical type 4 (AHUS4) [MM:612924]. An atypical form of hemolytic uremic syndrome. It is a complex genetic disease characterized by microangiopathic hemolytic anemia, thrombocytopenia, renal failure and absence of episodes of enterocolitis and diarrhea. In contrast to typical hemolytic uremic syndrome, atypical forms have a poorer prognosis, with higher death rates and frequent progression to end-stage renal disease. Note=Susceptibility to the development of atypical hemolytic uremic syndrome can be conferred by mutations in various components of or regulatory factors in the complement cascade system. Other genes may play a role in modifying the phenotype.

Sequence similarities

Belongs to the peptidase S1 family.
Contains 1 peptidase S1 domain.
Contains 3 Sushi (CCP/SCR) domains.
Contains 1 VWFA domain.

Cellular localization

Secreted.

Images

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human liver tissue labelling Factor B with ab150494 at 1/200 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Factor B antibody (ab150494)
Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human adrenal tissue labelling Factor B with ab150494 at 1/200 dilution.

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

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