Product datasheet

Anti-C5 antibody ab11898

1 References

Overview

Product name: Anti-C5 antibody
Description: Rabbit polyclonal to C5
Host species: Rabbit
Tested applications: Suitable for: IHC-FoFr, WB, IHC-Fr
Species reactivity: Reacts with: Mouse
Does not react with: Human
Immunogen: Recombinant protein from E.coli. The exact sequence information is considered to be commercially sensitive.
Positive control: Liver tissues (hepatocytes)

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer: Preservative: 0.02% Sodium azide
 Constituents: PBS, 0.1% BSA
Purity: Protein G purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab11898 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>
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<tbody>
<tr>
<td>IHC-FoFr</td>
<td></td>
<td>Use at an assay dependent concentration. PubMed: 19541934</td>
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<tr>
<td>WB</td>
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<td>1/10. Predicted molecular weight: 188.9 kDa.</td>
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Function
Activation of C5 by a C5 convertase initiates the spontaneous assembly of the late complement components, C5-C9, into the membrane attack complex. C5b has a transient binding site for C6. The C5b-C6 complex is the foundation upon which the lytic complex is assembled. Derived from proteolytic degradation of complement C5, C5 anaphylatoxin is a mediator of local inflammatory process. It induces the contraction of smooth muscle, increases vascular permeability and causes histamine release from mast cells and basophilic leukocytes. C5a also stimulates the locomotion of polymorphonuclear leukocytes (chemokinesis) and direct their migration toward sites of inflammation (chemotaxis).

Involvement in disease
Defects in C5 are the cause of complement component 5 deficiency (C5D) [MIM:609536]. A rare defect of the complement classical pathway associated with susceptibility to severe recurrent infections, predominantly by Neisseria gonorrhoeae or Neisseria meningitidis. Note=An association study of C5 haplotypes and genotypes in individuals with chronic hepatitis C virus infection shows that individuals homozygous for the C5_1 haplotype have a significantly higher stage of liver fibrosis than individuals carrying at least 1 other allele (PubMed:15995705).

Sequence similarities
Contains 1 anaphylatoxin-like domain.
Contains 1 NTR domain.

Cellular localization
Secreted.

Target

IHC-Fr 1/10.

Notes

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