Product datasheet

Anti-C Reactive Protein antibody ab31156

Overview

Product name: Anti-C Reactive Protein antibody

Description: Rabbit polyclonal to C Reactive Protein

Host species: Rabbit

Tested applications: Suitable for: ELISA, WB, Immunelectrophoresis, Immunodiffusion, IHC-P

Species reactivity: Reacts with: Human

Immunogen: Full length native protein (purified) (Human).

Positive control: This antibody gave a positive result in IHC in the following FFPE tissue: Human normal liver.

Properties

Form: Liquid


Storage buffer: pH: 7.20
Preservative: 0.02% Sodium azide
Constituents: 0.0268% PBS, 0.812% Sodium chloride

Purity: Protein A purified

Purification notes: Purity was determined by SDS PAGE (blue stain), showing that the IgG constitute was greater than 90% of total protein.

Clonality: Polyclonal

Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab31156 in the following tested applications.

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

<table>
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<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>ELISA</td>
<td>★★★★★</td>
<td>Use at an assay dependent concentration.</td>
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**Function**
Displays several functions associated with host defense: it promotes agglutination, bacterial capsular swelling, phagocytosis and complement fixation through its calcium-dependent binding to phosphorylcholine. Can interact with DNA and histones and may scavenge nuclear material released from damaged circulating cells.

**Tissue specificity**
Found in plasma.

**Sequence similarities**
Belongs to the pentaxin family.
Contains 1 pentaxin domain.

**Cellular localization**
Secreted.

**Images**

IHC image of C Reactive Protein staining in Human normal liver formalin fixed paraffin embedded tissue section, performed on a Leica BondTM system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab31156, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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