Product datasheet

Anti-Hepatitis B Virus Core Antigen antibody [14E11] ab8638

14 References

Overview

Product name: Anti-Hepatitis B Virus Core Antigen antibody [14E11]
Description: Mouse monoclonal [14E11] to Hepatitis B Virus Core Antigen
Host species: Mouse
Specificity: ab8638 was raised against serotype ayw but will work with all other genotypes.
Tested applications: Suitable for: ELISA, IHC-FoFr, IHC-Fr, ICC/IF, IP, IHC-P, WB
Species reactivity: Reacts with: Hepatitis B virus
Immunogen: Tissue, cells or virus corresponding to Hepatitis B Virus Core Antigen. Purified Denatured Hepatitis B Core Antigen
Epitope: 135-141aa (PNAPILS)
General notes: This product is raised in the same, but denatured, HBcAg protein sequence as ab8637, hence have more robust activity in denaturing western blots/IF etc.

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Clonality: Monoclonal
Clone number: 14E11
Myeloma: Sp2/0
Isotype: IgG2b
Light chain type: kappa

Applications

The Abpromise guarantee  
Our Abpromise guarantee covers the use of ab8638 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>Use at an assay dependent concentration.</td>
</tr>
<tr>
<td>IHC-FoFr</td>
<td>1/100.</td>
<td></td>
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<tr>
<td>IHC-Fr</td>
<td>1/100.</td>
<td></td>
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<tr>
<td>ICC/IF</td>
<td></td>
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</tr>
<tr>
<td>IP</td>
<td></td>
<td>Use at an assay dependent concentration.</td>
</tr>
<tr>
<td>IHC-P</td>
<td>1/100.</td>
<td></td>
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<tr>
<td>WB</td>
<td>1/1000.</td>
<td></td>
</tr>
</tbody>
</table>

Target

Relevance  
Hepatitis B Virus Core Antigen (HBcAg) is part of the infectious virion containing an inner "core particle" enclosing the viral genome. The icosahedral core particle contains 180 or 240 copies of the core protein. HBcAg is one of the three major clinical antigens of hepatitis B virus but disappears early in the course of infection. The hepatitis B virus core antigen (HBcAg) is a highly immunogenic subviral particle and functions as both a T-cell-dependent and a T-cell-independent antigen. Therefore, HBcAg may be a promising candidate target for therapeutic vaccine control of chronic HBV infection.

Cellular localization  
Capsid protein: Virion. Host cytoplasm, hepatocyte nucleus.

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

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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