Anti-Hepatitis C Virus NS3 antibody ab21124

5 References

Overview

Product name | Anti-Hepatitis C Virus NS3 antibody
Description | Goat polyclonal to Hepatitis C Virus NS3
Host species | Goat
Tested applications | Suitable for: ELISA, ICC/IF, WB
Species reactivity | Reacts with: Hepatitis C virus
Immunogen | Recombinant full length protein (genotype 1a).

Properties

Form | Liquid
Storage instructions | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer | pH: 7.20
Preservative: 0.1% Sodium azide
Constituent: 0.0268% PBS
Purity | Ion Exchange Chromatography
Purification notes | Sodium sulfate precipitation & ion-exchange chromatography.
Clonality | Polyclonal
Isotype | IgG

Applications

Our Abpromise guarantee covers the use of ab21124 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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<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>ELISA</td>
<td>Use at an assay dependent dilution.</td>
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<tr>
<td>ICC/IF</td>
<td>Use at an assay dependent dilution.</td>
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<tr>
<td>WB</td>
<td>Use at an assay dependent dilution. Predicted molecular weight: 72 kDa.</td>
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</table>
HCV is a positive, single-stranded RNA virus in the Flaviviridae family. The genome is approximately 10,000 nucleotides and encodes a single polyprotein of about 3,000 amino acids. The polyprotein is processed by host cell and viral proteases into three major structural proteins including NS3, and several non-structural proteins necessary for viral replication. The NS3 part of the polyprotein displays three enzymatic activities: serine protease, NTPase and RNA helicase. The NS3 serine proteinase (NS3P) is a non-structural hepatitis C protein responsible for proteolytic processing of other non-structural proteins; because of this, it is also the most extensively studied protein of the Hepatitis C genome. It is responsible for proteolytic processing of the entire downstream region of the HC polyprotein, catalyzing cleavage at the NS3/NS4a, NS4a/NS4b, NS4b/NS5a, and NS5a/NS5b sites to release the mature NS3, NS4a, NS4b, NS5a, and NS5b proteins. For proper function, NS3 requires NS4a as a cofactor, but, interestingly enough, NS3 also cleaves the NS4a protein. The molecular weight of the monomer NS3P is 70 kDa.

**Cellular localization**

Endoplasmic reticulum membrane

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

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