Overview

Product name: Anti-Hepatitis C Virus NS5a antibody [H26]
Description: Mouse monoclonal [H26] to Hepatitis C Virus NS5a
Host species: Mouse
Specificity: Hepatitis C Virus antigen NS5a. This antibody works with the HCV genotypes 1a, 1b, 3 and 4, but not with genotype 2a.

Tested applications: Suitable for: ELISA, WB, ICC/IF
Species reactivity: Reacts with: Hepatitis C virus
Immunogen: Recombinant full length protein (E. coli).

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer: Preservative: 0.1% Sodium Azide
Constituents: PBS, pH 7.4
Purity: Protein G purified
Clonality: Monoclonal
Clone number: H26
Isotype: IgG1

Applications

Our Abpromise guarantee covers the use of ab13833 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 dilution.</td>
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<tr>
<td>WB</td>
<td></td>
<td>1/1000.</td>
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</table>
### Target

#### Relevance
HCV is classified into the genus Hepacivirus of the family Flaviviridae. Like all the members of the family, HCV is an enveloped, single-stranded, positive-sense RNA virus. Its genome (about 9600 nt) is flanked at both termini by conserved, highly structured non-translated regions (NTRs) and encodes a polyprotein precursor (about 3000 aa), which is proteolytically processed by host and viral proteases to produce the structural (core, E1, E2 and p7) and non-structural (NS2, NS3, NS4A, NS4B, NS5A and NS5B) proteins of the virus. Recently, an additional protein has been identified, whose function remains unknown. NS5A is a ~56 kDa pleiotropic protein with key roles in both viral RNA replication and modulation of the physiology of the host cell. Its exact role is not currently known (2008).

### Images

Representative western blot detecting Hepatitis C Virus NS5a with ab13833.

Amounts of Hepatitis C Virus NS5a were compared to Core after spread of infection to >80% of Huh7.5 cells transfected with H77C (1a) and P346A/P351A/P354A, delta414-428 or “delta414-428+20aa” mutants.

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

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