Anti-Hepatitis C Virus NS5a antibody [H26] ab13833

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.

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<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tr>
<td>ELISA</td>
<td></td>
<td>Use at an assay dependent dilution.</td>
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<tr>
<td>WB</td>
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<td>1/1000.</td>
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5 References 1 Image
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).

Target

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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