Product Datasheet

HBsAg Antibody
NB100-62652

Unit Size: 0.5 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

Publications: 17

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Updated 11/8/2022 v.20.1

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## Product Information

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Unit Size</td>
<td>0.5 ml</td>
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<tr>
<td>Concentration</td>
<td>4.0 mg/ml</td>
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<tr>
<td>Storage</td>
<td>Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.</td>
</tr>
<tr>
<td>Clonality</td>
<td>Polyclonal</td>
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<tr>
<td>Preservative</td>
<td>0.1% Sodium Azide</td>
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<tr>
<td>Isotype</td>
<td>IgG</td>
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<tr>
<td>Purity</td>
<td>Protein A purified</td>
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<tr>
<td>Buffer</td>
<td>PBS</td>
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## Product Description

**Host**
Rabbit

**Gene ID**
944569

**Gene Symbol**
S

**Species**
Viral

**Specificity/Sensitivity**
This product is specific for Hepatitis B surface antigen, recognizing subtypes ad and ay. Hepatitis B virus is a major causative agent of acute and chronic liver disease in humans. Hepatitis B surface antigen (HBsAg) is a protein component of the viral envelope, which is expressed predominantly in the cytoplasm of infected hepatocytes.

**Immunogen**
Hepatitis B subtypes ad and ay.

## Product Application Details

**Applications**
Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin

**Recommended Dilutions**
Western Blot 1:1000-1:3000, ELISA 1:10000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen

## Images

Western Blot: HBsAg Antibody [NB100-62652] - HepAD38 cells were treated with DFMO (50 uM, 100 uM), and the HBV core-associated DNA was extracted 3 days later and measured by Southern blot (upper panel). The levels of HBc and HBs were measured by Western blotting, and capsids levels were determined using a Native gel assay (lower panel). Image collected and cropped by CiteAb from the following publication (frontiersin.org/article/10.3389/fcimb.2020.00158/full), licensed under a CC-BY license.
<table>
<thead>
<tr>
<th>Publications</th>
<th>Date</th>
<th>PMID</th>
<th>WB, Virus</th>
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<tbody>
<tr>
<td>Yi J, Lei X, Guo F et al. Codelivery of Cas9 mRNA and guide RNAs edits hepatitis B virus episomal and integration DNA in mouse and tree shrew models Antiviral Research 2023-05-01 [PMID: 37142191] (WB, Mouse, Tree Shrew)</td>
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<td>Pantazica AM, van Eerde A, Dobrica MO et al. The &quot;humanized&quot; N-glycosylation pathway in CRISPR/Cas9-edited Nicotiana benthamiana significantly enhances the immunogenicity of a S/preS1 Hepatitis B Virus antigen and the virus-neutralizing antibody response in vaccinated mice Plant biotechnology journal 2023-02-13 [PMID: 36779605] (WB, Virus)</td>
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<td>Fang R, Ming T, Ng JPL et al. Ciliatoside A, isolated from Peristrophe japonica, inhibits HBsAg expression and cccDNA transcription by inducing autophagy Antiviral research 2022-12-07 [PMID: 36496141] (WB, Human)</td>
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<td>Oikawa R, Watanabe Y, Yotsuyanagi H et al. DNA methylation at hepatitis B virus integrants and flanking host mitochondrially encoded cytochrome C oxidase III Oncology letters 2022-12-01 [PMID: 36284651] (ICC/IF, Viral)</td>
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<td>van Buuren N, Ramirez R, Turner S Et al. Characterization of the liver immune microenvironment in liver biopsies from patients with chronic HBV infection JHEP Rep 2021-12-24 [PMID: 34950863]</td>
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<td>Li Y, Zhu Y, Feng S et al. Macrophages activated by hepatitis B virus have distinct metabolic profiles and suppress the virus via IL-1 beta to downregulate PPAR alpha and FOXO3 Cell reports 2022-01-25 [PMID: 35081341] (WB)</td>
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<td>Xu Z, Zhao L, Zhong Y et al. A Novel Mouse Model Harboring Hepatitis B Virus Covalently Closed Circular DNA Cellular and molecular gastroenterology and hepatology 2021-12-09 [PMID: 34896285] (WB)</td>
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Products Related to NB100-62652
HAF008  Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160  Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891 Rabbit IgG Isotype Control
KA0286  HBsAg ELISA Kit (Colorimetric)

Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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