

Datasheet for ABIN285516

**anti-HBSAg antibody****6** Images**6** Publications[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	HBSAg (HBsAg)
Reactivity:	Hepatitis B Virus (HBV)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HBSAg antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	HBsAg antibody was raised in rabbit using subtypes ad and ay of human HBsAg as the immunogen.
Purification:	purified
Purity:	> 95 % pure

## Target Details

Target:	HBSAg (HBsAg)
Alternative Name:	HBsAg ( <a href="#">HBsAg Products</a> )
Target Type:	Viral Protein
Background:	HBsAg is the surface antigen of the Hepatitis-B-Virus (HBV). It indicates current Hepatitis B infection.

## Application Details

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Application Notes: Optimal conditions should be determined by the investigator.

Restrictions: For Research Use only

## Handling

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Concentration: Lot specific

Buffer: Protein A purified IgG fraction in 10 mM PBS, pH 7.2 with 0.1 % NaN<sub>3</sub>.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze/thaw cycles.  
Dilute only prior to immediate use.

Storage: 4 °C/-20 °C

Storage Comment: Store at 4 °C for short term storage. Aliquot and store at -20 °C for long term storage.

## Publications

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Product cited in: Shi, Wu, Wang, Li, Yu, Wang, Yang, Li, Liang, Wen, Ying, Yuan: "Evaluation of antiviral - passive - active immunization ("sandwich") therapeutic strategy for functional cure of chronic hepatitis B in mice." in: **EBioMedicine**, Vol. 49, pp. 247-257, (2020) ([PubMed](#)).

Zahner, Glimm, Matono, Churin, Herebian, Mayatepek, Köhler, Gattenlöhner, Stinn, Tschuschner, Roderfeld, Roeb: "Hepatitis B virus surface proteins accelerate cholestatic injury and tumor progression in Abcb4-knockout mice." in: **Oncotarget**, Vol. 8, Issue 32, pp. 52560-52570, (2017) ([PubMed](#)).

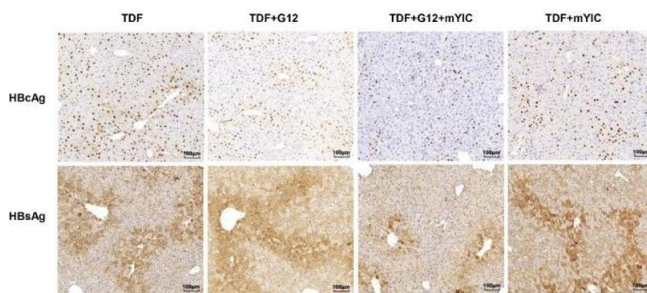
Graumann, Churin, Tschuschner, Reifenberg, Glebe, Roderfeld, Roeb: "Genomic Methylation Inhibits Expression of Hepatitis B Virus Envelope Protein in Transgenic Mice: A Non-Infectious Mouse Model to Study Silencing of HBV Surface Antigen Genes." in: **PLoS ONE**, Vol. 10, Issue 12, pp. e0146099, (2016) ([PubMed](#)).

Zhang, Xia, Sun, Dai, Li, Schlaak, Lu: "In vitro and in vivo replication of a chemically synthesized consensus genome of hepatitis B virus genotype B." in: **Journal of virological methods**, Vol. 213, pp. 57-64, (2015) ([PubMed](#)).

Churin, Roderfeld, Stiefel, Würger, Schröder, Matono, Mollenkopf, Montalbano, Pompaiah, Reifenberg, Zahner, Ocker, Gerlich, Glebe, Roeb: "Pathological impact of hepatitis B virus surface proteins on the liver is associated with the host genetic background." in: **PLoS ONE**, Vol. 9, Issue 3, pp. e90608, (2014) ([PubMed](#)).

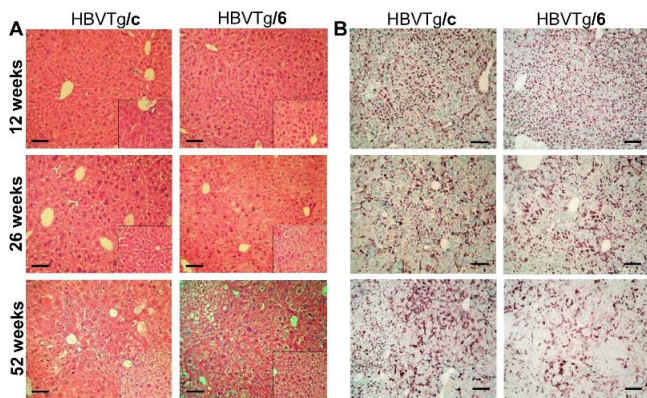
There are more publications referencing this product on: [Product page](#)

Images



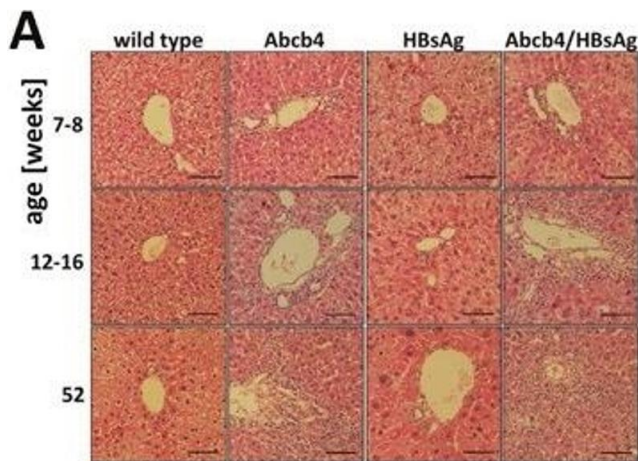
**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** HBcAg- and HBsAg-expressing hepatocytes in individual mouse livers were stained with DAB (HBsAg with ABIN285516). The percentage of the HBcAg (d) or HBsAg (e) positive stained area was quantified and the representative staining that appears as brown are shown. Source: PMC6945269



**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 2.** Paraffin-embedded sections of transgenic mice liver were stained with an antibody against HBsAg (ABIN285516). Original magnification 100x, bar = 200 µm. Source: PMC3942466



### Immunohistochemistry

**Image 3.** HBsAg expression elevates liver injury in Abcb4 knockout mice. Liver histology using ABIN285516 demonstrates accelerated portal inflammation and pronounced bile duct disease in Abcb4<sup>-/-</sup>/HBsAg<sup>+/-</sup> mice. Magnification x200, scale bars 100 μm. Source: PMC5581050

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN285516.