

Datasheet for ABIN731305
anti-HBSAg antibody (Biotin)[Go to Product page](#)

1 Publication

Overview

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| Quantity: | 100 µL |
| Target: | HBSAg (HBsAg) |
| Reactivity: | Virus, Human, Mouse |
| Host: | Goat |
| Clonality: | Polyclonal |
| Conjugate: | This HBSAg antibody is conjugated to Biotin |
| Application: | ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

Product Details

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| Immunogen: | Human Hepatitis B Surface Antigen |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Virus |
| Predicted Reactivity: | Bee |
| Purification: | Purified by Protein A. |

Target Details

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| Target: | HBSAg (HBsAg) |
| Alternative Name: | HBsAg (HBsAg Products) |
| Target Type: | Viral Protein |

Target Details

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| Background: | <p>Synonyms: HBsAg, HBV major surface antigen, HBV surface antigen, Hepatitis B Virus major surface antigen, Major surface antigen, S, Human Hepatitis B Surface Antigen</p> <p>Background: Hepatitis B Virus (HBV) infection induces a disease state characterised by liver damage, inflammation and viral persistence. Infection also increases the risk of hepatocellular carcinoma. HBV belongs to the Hepadnaviridae family of viruses. Its genome consists of partially double stranded circular DNA. The DNA is enclosed in a nucleocapsid, or core antigen (HBcAg), which is surrounded by a spherical envelope (surface antigen or HBsAg). The core antigen shares its sequences with the e antigen (HBeAg) but no cross reactivity between the two proteins has been observed. The HBV genome also encodes a DNA polymerase that also acts as a reverse transcriptase. Hepatitis B infection is normally diagnosed from serological tests that detect HBsAg but as the disease progresses this antigen may no longer be present in the blood and tests for HBcAg are used. If HBsAg can be detected in the blood for longer than six months, chronic hepatitis B is diagnosed. The antigenic determinant of the protein moiety of the HBsAg determines specific characteristics of different serotypes and provides the basis of immunodetection. HBsAg has antigenic heterogeneity, specifically, two pairs of sub specific determinants, d/y and w/r allow the following combinations: adw, ayw, adr, ayr.</p> |
|-------------|--|

UniProt: [Q67926](#)

Application Details

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| Application Notes: | WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500 |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |

Handling

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months

Publications

Product cited in: Andriamandimby, Olive, Shimakawa, Rakotomanana, Razanajatovo, Andrianinarivomanana, Ravalohery, Andriamamonjy, Rogier, Héraud: "Prevalence of chronic hepatitis B virus infection and infrastructure for its diagnosis in Madagascar: implication for the WHO's elimination strategy." in: **BMC public health**, Vol. 17, Issue 1, pp. 636, (2018) ([PubMed](#)).