

# HBsAgA Antibody

*Hepatitis B surface Antigen A, Polyclonal Goat Antibody*  
ABP0013

## Product Overview

Name HBsAgA Antibody

### Description

Hepatitis B surface Antigen A, Polyclonal Goat Antibody

### Immunogen

r.Hep B vaccine (BTG).

### Introduction

Hepatitis B is one of a few known non-retroviral viruses which employ reverse transcription as a part of its replication process. (HIV, a completely unrelated virus, also uses reverse transcription, but it is a retrovirus.) HBV invades the cell by binding to surface receptor and become internalized. The viral core particles then migrate to the hepatocyte nucleus and the partially double-stranded, relaxed circular genomes (RC-DNA) are repaired to form a covalently closed circular DNA (cccDNA), which is the template for viral genomic and sub-genomic RNAs by cellular RNA polymerase II. Of these, the pregenomic RNA (pgRNA) is selectively packaged into progeny capsids and is then reverse-transcribed into new RC-DNA. The core can either bud into the endoplasmic reticulum to be enveloped or exported from the cell or recycled back into the genome for conversion to cccDNA.

### Formulation

1mg/ml in PBS (after reconstitution).

### Solubility

Reconstitute with H<sub>2</sub>O. Mix gently, wash the sides of the vial and wait 30-60 seconds before use.

### Applications

Direct ELISA, Western Blot, Immunoprecipitation, immunohistochemistry.

### Type

Mouse antibody Monoclonal.

### Clone

NYRHepB-1.

### Ig Subclass

mouse IgG2b.

### Purification Method

Ion exchange column.

**Storage Procedures**

In lyophilized form, for long periods, store at 4°C in a dry environment. After reconstitution, if not intended for use within a month, aliquot and store at -20°C.

**Shipping Conditions**

Antibody is shipped lyophilized at ambient temperature.

**Titer**

By direct ELISA (against r.hepatitis vaccine), 1:10,000 dilution will yield 0.5 O.D using alkaline phosphatase conjugated rabbit anti-mouse Ig (Jackson Laboratories).

**Note**

This antibody recognizes both the AD and the AY antigens in direct ELISA and works in capture ELISA with anti-hepatitis Ag-2.

**Precautions**

HBsAgA Antibody is for research use only and not for use in diagnostic or therapeutic procedures.