

## Anti-HBsAg Rabbit Polyclonal Antibody

CATALOG NUMBER: HBV-S08-0100, 100 µg

<b>Introduction</b>	HBV has a small (3.2 kb), partially double-stranded, relaxed-circular DNA genome that encodes four overlapping ORFs. The largest ORF encodes the viral polymerase, which also has reverse transcriptase. The second largest ORF encodes the three viral envelope proteins: large (L-), middle (M-), and small (S-) surface antigen (HBsAg). Another ORF encodes precore, also referred to as HBV E antigen (HBeAg), and the core protein, which makes up the viral capsid. Finally, the smallest ORF encodes the HBV X protein (HBx), a small regulatory protein that has been shown to be required for HBV replication both <i>in vitro</i> and <i>in vivo</i> .
<b>Applications</b>	Western blot (1:200-1:1000) and ELISA, May be used for other applications.
<b>Description</b>	Rabbit polyclonal antibody
<b>Immunogen</b>	Vaccine protein used for vaccination of persons at risk of infection from hepatitis B virus of all known subtypes
<b>Specificity</b>	Reacts specifically with all known HBsAg antigens from HBV
<b>Purification</b>	Immunoaffinity chromatography
<b>Isotype</b>	IgG
<b>Storage</b>	Store at -20 °C; Stable for 6-months from the date of shipment when kept at 4 °C. Non-hazardous. No MSDS required.
<b>Concentration</b>	2 µg/µl in PBS with 0.1% sodium azide

