

Anti-HBcAg (HBV) Polyclonal Antibody

CATALOG NUMBER: HV-002-0100, 100 µg

Introduction	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> .
Applications	Western blot (1:200-1:1000) and ELISA, May be used for other applications.
Description	Anti-HBcAg rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed HBcAg protein (GenBank accession #AY040627).
Specificity	Reacts with HBV HBcAg antigen. Cross-reactivity to other protein not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at -20 °C; Stable for 6-months from the date of shipment when kept at 4 °C. Non-hazardous. No MSDS required.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

