



Anti-HBV Surface Antigen Polyclonal antibody (DPAB4257)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Affinity-purified Goat antibodies against the Native Ad/AyHBsAg antigens
Specificity	Direct ELISA shows signal above cut-off at antibody levels of 100ng/test and above.
Target	HBV Surface Antigen
Immunogen	All HBsAg A antigens
Source/Host	Goat
Species Reactivity	HBV
Conjugate	Unconjugated
Applications	ELISA
Format	1mg/ml in PBS, was passed through a 0.2um Filter into a 50ml sterile conic Tube
Size	1 ml
Preservative	None
Storage	Store at -20°C, One year frozen. One month in solution at 4°C.

BACKGROUND

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
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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.

Keywords

HBsAg; HBV; Hep B surface antigen; Hepatitis B surface antigen; Hepatitis B Virus major surface antigen; Hepatitis B virus S antigen; Large envelope protein; Large surface protein; LHB; Major surface antigen; Hepadnaviridae; Orthohepadnavirus
