

Product datasheet for **BP1028B**

Hepatitis B Surface Antigen / HBsAg (ad/ay) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, Ie, WB
Recommended Dilution:	Suitable for avidin and streptavidin amplifications systems for IEP and ELISA (starting dilution 1/1000). Western Blot.
Reactivity:	Hepatitis B Virus
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Mixture of subtypes ad & ay. Hepatitis B surface antigen purified from human serum.
Specificity:	Purified Hepatitis B surface antigen. Non-reactive with normal human serum. Monospecific, reacts only with Hepatitis B virus.
Formulation:	0.01 M PBS, pH 7.2 with 0.09% sodium azide as preservative. No stabilizing proteins have been added. Label: Biotin State: Liquid purified Ig fraction. Label: Covalently coupled with the N-Hydroxysuccinimide ester of under mild conditions to give a high degree of substitution
Concentration:	lot specific
Conjugation:	Biotin
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Background:

Hepatitis B Virus (HBV) infection induces a disease state which manifests itself in a variety of ways, characterized by the extent of liver damage, inflammation and viral persistence. HBV infection is also associated with a 100 fold increased risk of hepatocellular carcinoma and currently infects over 250 million people worldwide. HBV has a partially double stranded 3.2 kilobase DNA genome which contains four open reading frames. One of these encodes a 154 amino acid protein called the HBx protein. HBx has been shown to be a transcriptional transactivator of both viral and cellular promoters. Lacking a DNA binding domain and nuclear localization signal, HBx is believed to exert transcriptional activity through protein protein interaction.

Synonyms:

HBV surface antigen, Hepatitis B Virus