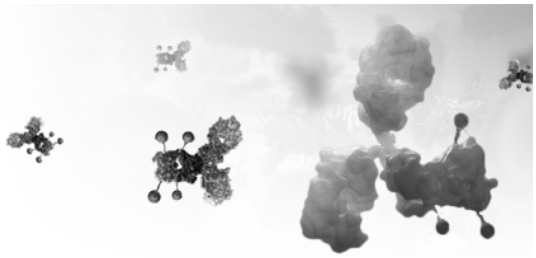

Anti-HBV Surface Antigen Polyclonal antibody (DPAB1452)

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

PRODUCT INFORMATION

Specificity	Monospecific, reacts only with Hepatitis B surface antigen. Non-reactive with normal human serum.
Target	HBV Surface Antigen
Immunogen	Mixture of subtypes ad & ay. Hepatitis B surface antigen purified from human serum
Source/Host	Goat
Species Reactivity	HBV
Purification	IgG fraction covalently coupled to a highly purified preparation of horseradish peroxidase (RZ3). Care is taken to ensure adequate conjugation while preserving maximum enzyme activity. Free enzyme is absent. Estimated molar HRP: IgG substitution is 2–3.
Conjugate	Unconjugated
Applications	Suitable for use in ELISA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Format	HRP, Liquid
Concentration	1–2mg/ml (OD280nm, E0.1% = 1.4)
Size	1 ml
Buffer	PBS containing 10mg/ml BSA
Preservative	None

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Storage	Short-term (up to 6 months) store at 2–8°C. Long term, aliquot and store at -20 C. Avoid multiple freeze/thaw cycles.

BACKGROUND

Introduction	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.
Keywords	Hepatitis B Surface Antigen; Group VII; Unassigned; Hepadnaviridae; Orthohepadnavirus; Hepatitis B virus

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