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Product datasheet for AP08118PU-S

Hepatitis B Core Antigen / HBcAg Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	Immunohistochemistry for Formalin-Fixed Paraffin Embedded (FFPE) Tissue Sections and Frozen Sections: Dilute 1/200-1/400 using polymer or streptavidin ~biotin system for 30 mins at room temperature. Positive control: Human liver infected with hepatitis B virus.
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Purified hepatitis B core antigen.
Specificity:	Antibody to hepatitis B core antigen (anti-HBc) is considered a sensitive and specific serum marker of hepatitis B virus(HBV) infection. Cellular localization: Hepatocyte nuclei.
Formulation:	10 mM PO4, 150 mM NaCl, pH 7.4 containing 0.05% Sodium Azide as preservative. State: Ig Fraction State: Total Ig fraction.
Concentration:	lot specific
Purification:	Protein A
Conjugation:	Unconjugated
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 Core Antigen (HBcAg) is part of the infectious virion containing an inner "core particle" enclosing the viral genome. The icosahedral core particle contains 180 or 240 copies of the core protein. HBcAg is one of the three major clinical antigens of hepatitis B virus but disappears early in the course of infection.
The hepatitis B virus core antigen (HBcAg) is a highly immunogenic subviral particle and functions as both a T-cell-dependent and a T-cell-independent antigen. Therefore, HBcAg may be a promising candidate target for therapeutic vaccine control of chronic HBV infection.

Synonyms: HBV Capsid protein, HBV Core protein, p21.5