

Product datasheet

Anti-Hepatitis B Virus Surface Antigen antibody ab19979

1 References

Overview

Product name	Anti-Hepatitis B Virus Surface Antigen antibody
Description	Rabbit polyclonal to Hepatitis B Virus Surface Antigen
Host species	Rabbit
Specificity	Ab19979 reacts only with Hepatitis B surface antigen. Non-reactive with normal human serum.
Tested applications	Suitable for: ELISA
Species reactivity	Reacts with: Hepatitis B virus
Immunogen	Hepatitis B surface antigen purified from human serum. Mixture of subtypes ad & ay.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.1% Sodium azide Constituent: 0.0268% PBS
Purity	Protein A purified
Purification notes	>95% pure.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab19979 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		

Application notes

ELISA: Use at an assay dependent dilution.

May be used in place of whole antiserum in almost any appropriate antibody based technique. Also suitable for conjugation purposes.

Not tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Target

Relevance

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.

Cellular localization

Virion membrane

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