

Product datasheet

Anti-Hepatitis B Virus Surface Antigen antibody [3E7], prediluted ab859

[1 References](#) [1 Image](#)

Overview

Product name	Anti-Hepatitis B Virus Surface Antigen antibody [3E7], prediluted
Description	Mouse monoclonal [3E7] to Hepatitis B Virus Surface Antigen, prediluted
Host species	Mouse
Specificity	This antibody stains the cytoplasm of antigen-positive liver cells in patients with Type B viral hepatitis. This antibody reacts with the 'a' determinant present on the HBsAg subtypes ayw1, ayw2, ayw3, ayw4, ayr, adw2, adw4 and adr. It does not react with normal tissues.
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Hepatitis B virus
Immunogen	Full length protein corresponding to Mouse Hepatitis B Virus Surface Antigen. BALB/c mice were immunized with purified HBsAG subtype AYW3.
Positive control	IHC-P: Hepatitis B infected liver tissue.
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. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.3 Preservative: 0.05% Sodium azide Inert stabilizer
Clonality	Monoclonal
Clone number	3E7

Myeloma	unknown
Isotype	IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab859 in the following tested applications.

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

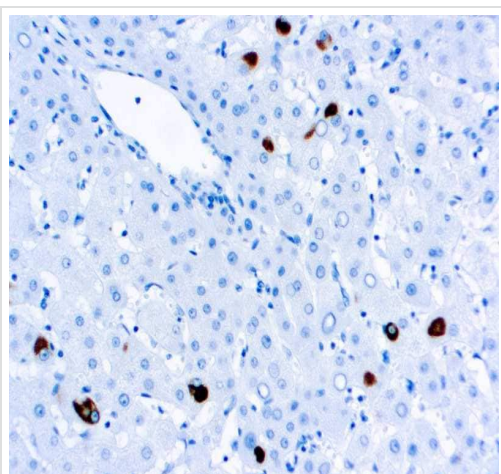
Application	Abreviews	Notes
IHC-P		1/25 - 1/50. Pretreat tissue with citrate buffer pH 6. Incubate with primary antibody for 30 minutes at room temperature.

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

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Hepatitis B infected liver tissue labeling Hepatitis B Virus Surface Antigen with ab859.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hepatitis B Virus Surface Antigen antibody [3E7], prediluted (ab859)

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