Datasheet for ABIN5518758

anti-HBV Large S Protein antibody (N-Term)

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Overview

Quantity:	100 µg
Target:	HBV Large S Protein (L-HBsAG)
Binding Specificity:	AA 4-51, N-Term
Reactivity:	Hepatitis B Virus (HBV), Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Large S protein(S) detection. Tested with WB, IHC-P in Human,HBV.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human Hepatitis B Virus (4-51aa WSSKPRQGMGTNLSVPNPLGFFPDHQLDPAFGANSNNPDWDFNPNKDQ).
Sequence:	WSSKPRQGMG TNLSVPNPLG FFPDHQLDPA FGANSNNPDW DFNPNKDQ
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Large S protein(S) detection. Tested with WB, IHC-P in Human,HBV. Gene Name: long surface protein, PreS1, L protein, LHBs, large S protein, pre-S1/pre-S2/S regions, L glycoprotein, L-HBsAG, LHBs Protein Name: Large S protein

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	HBV Large S Protein (L-HBsAG)
Alternative Name:	S (L-HBsAG Products)
Target Type:	Viral Protein
Background:	Hepatitis B virus, abbreviated HBV, is a species of the genus Orthohepadnavirus, which is likewise a part of the Hepadnaviridae family of viruses. This virus causes the disease hepatitis B. It consists of HBsAg, HBcAg (HBeAg is a splice variant), Hepatitis B virus DNA polymerase and HBx. Among these, HBsAg (also known as the Australia antigen) is the surface antigen of the hepatitis B virus (HBV). It indicates current hepatitis B infection. The viral envelope of an enveloped virus has different surface proteins from the rest of the virus which act as antigens. These antigens are recognized by antibody proteins that bind specifically to one of these surface proteins. Synonyms: HbsAg | HBV | Major surface antigen
Gene ID:	944569
UniProt:	D2X4M3

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: HBV IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

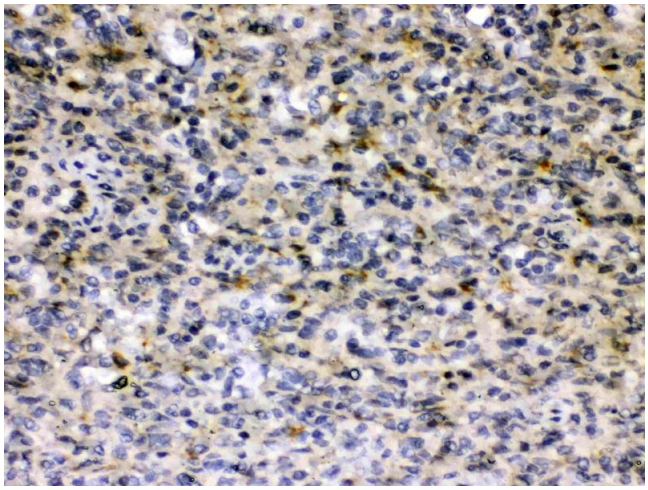
Handling

Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Publications

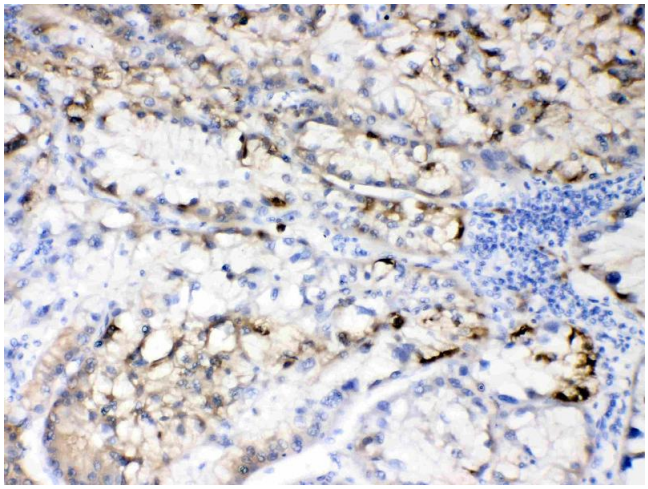
Product cited in:	Pizzino, Irrera, Galfo, Oteri, Atteritano, Pallio, Mannino, DAmore, Pellegrino, Aliquò, Anastasi, Cutroneo, Squadrito, Altavilla, Bitto: "Adenosine Receptor Stimulation Improves Glucocorticoid-Induced Osteoporosis in a Rat Model." in: **Frontiers in pharmacology**, Vol. 8, pp. 558, (2017) (PubMed).

Images



Immunohistochemistry

Image 1. Hepatitis B Virus was detected in paraffin-embedded sections of human hepatitis B tissues using rabbit anti- Hepatitis B Virus Antigen Affinity purified polyclonal antibody (Catalog #) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



Immunohistochemistry

Image 2. Hepatitis B Virus was detected in paraffin-embedded sections of human liver cancer tissues using rabbit anti- Hepatitis B Virus Antigen Affinity purified polyclonal antibody (Catalog #) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).