abcam

Product datasheet

Anti-Hepatitis B Virus Core Antigen antibody [C1] ab8637

★★★★★ 1 Abreviews 17 References 1 图像

概述

产品名称 抗乙型肝炎病毒Core Antigen抗体[C1]

描述 小鼠单克隆抗体[C1] to乙型肝炎病毒Core Antigen

宿主 Mouse

特异性 This antibody reacts with HBV Core Antigen (Major antigenic determinant, c1). Ab8637 should

recognize both the precoreprotein and core protein. It will not recognize the precorprotein under

native conditions, because this protein can not self assemble into particles.

Ab8637 was raised against serotype ayw but will work with all other genotypes.

经测试应用 适用于: ELISA, IP, WB, ICC/IF

种属反应性 与反应: Hepatitis B virus

免疫原 Tissue, cells or virus corresponding to Hepatitis B virus Hepatitis B Virus Core Antigen. Purified

Hepatitis B Core Antigen

表位 Around aa positions 70-80, major, or "c1" determinant

常规说明 This product was raised against native assembled HBV core (HBV capsid, or particulated core).

For denaturing western blots and denaturing Immunofluorescence we would recommend one of

the following:

Anti-Hepatitis B Virus Core Antigen antibody [10E11] (ab8639)

Anti-Hepatitis B Virus Core Antigen antibody [14E11] (ab8638)

These products are raised to the same, but denatured, HBcAq protein sequence thus have more

robust activity.

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.

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

性能

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形式 Liquid

存放说明 Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -

80°C. Avoid freeze / thaw cycle.

存储溶液 pH: 7.4

Constituents: 0.1% BSA, 99% PBS

纯**度** Tissue culture supernatant

 克隆
 单克隆

 克隆编号
 C1

 骨髓瘤
 Sp2/0

 同种型
 IgG2a

 轻链类型
 kappa

应用

The Abpromise guarantee Abpromise™承诺保证使用ab8637于以下的经测试应用

"应用说明"部分下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ELISA		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
WB		1/1000. We recommend boiling (100°C) the sample for 10 minutes immeditaley before loading and using a 2x or 4x Laemmli sample buffer (contains SDS).
		A 2X concentrated Laemmli buffer is: 4% SDS, 10% beta- mercaeptoethanol, 20% glycerol, 0.1M Tris pH 6.8, and 0.005% of bromonhenol blue
ICC/IF	★★★★☆ (1)	Use at an assay dependent concentration.

靶标

相关性 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

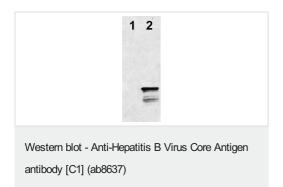
the core protein. HBcAg is one of the three major clinical antigens of hepatitis B virus but

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.

细胞定位 Capsid protein: Virion. Host cytoplasm, hepatocyte nucleus.

图片



Immunoblotting analysis of the recombinant HBcAg antigen using ab8637. E.coli lysates were separated using 12% SDS-PAAG electrophoresis, imunoblotted and developed with the Amersham ECL Detection Kit. Samples: 1. Negative control; 2. HBcAg (full length, 1-183)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- · Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.cn/abpromise or contact our technical team.

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