

# Anti-Hepatitis C Virus E2 antibody ab20044

[1 References](#) [1 图像](#)

### 概述

产品名称	抗丙型肝炎病毒E2抗体
描述	山羊多克隆抗体to丙型肝炎病毒E2
宿主	Goat
经测试应用	适用于: ELISA, WB
种属反应性	与反应: Hepatitis C virus
免疫原	Recombinant full length E2 (genotype 1a) protein.
常规说明	<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&amp;As</p>

### 性能

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	Preservative: 0.1% Sodium azide Constituent: 0.0268% PBS
纯度	Ion Exchange Chromatography
纯化说明	>95% pure. Sodium sulfate precipitation and ion-exchange chromatography.
克隆	多克隆
同种型	IgG

### 应用

**The Abpromise guarantee** **Abpromise™**承诺保证使用ab20044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.
WB		Use at an assay dependent concentration. Predicted molecular weight: 70 kDa.

## 靶标

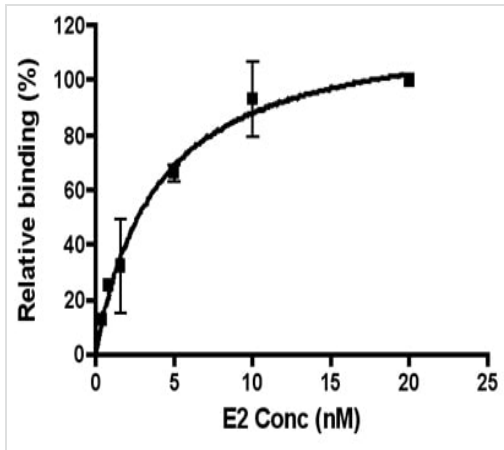
### 相关性

Hepatitis C E2 is a virus envelope glycoprotein which forms a heterodimer with the E1 protein. E2 inhibits human EIF2AK2/PKR activation, preventing the establishment of an antiviral state. E2 is a viral ligand for CD209/DC-SIGN and CLEC4M/DC-SIGNR, which are respectively found on dendritic cells (DCs), and on liver sinusoidal endothelial cells and macrophage-like cells of lymph node sinuses. These interactions allow capture of circulating HCV particles by these cells and subsequent transmission to permissive cells. DCs are professional antigen presenting cells, critical for host immunity by inducing specific immune responses against a broad variety of pathogens. They act as sentinels in various tissues where they entrap pathogens and convey them to local lymphoid tissue or lymph node for establishment of immunity. Capture of circulating HCV particles by these SIGN+ cells may facilitate virus infection of proximal hepatocytes and lymphocyte subpopulations and may be essential for the establishment of persistent infection.

### 细胞定位

Viral envelope protein.

## 图片



ELISA analysis of Hepatitis C Virus E2 binding to CD81 receptor, using ab20044 to detect Hepatitis C Virus E2 binding.

A 96-well plate was coated with 100 ng of rho-1D4 antibody. Following overnight incubation at 4°C, the unbound antibody was washed away. The wells were blocked with blocking solution for 2 hours. 100 ng of purified CD81 was added to the wells along with E2 glycoprotein (0.4 to 20 nM) and incubated for 2 hours. ab20044 anti-Hepatitis C Virus E2 antibody (1/2000 dilution) and secondary antibody with alkaline phosphatase conjugate (1/1000 dilution) were added and incubated for 2 hours. Absorbance was measured at 495 nm by a plate-reader.

ELISA - Anti-Hepatitis C Virus E2 antibody  
(ab20044)

Image from Takayama H et al., PLoS One. 2008 Jun 4;3(6):e2314. doi: 10.1371/journal.pone.0002314.; Fig 5.; June 4, 2008, PLoS ONE 3(6): e2314.

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

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