

Datasheet for ABIN726470

**anti-HCV Core Protein antibody****1** Image**1** Publication[Go to Product page](#)

## Overview

|              |   |
|--------------|---|
| Quantity:    | 100 µL  |
| Target:      | HCV Core Protein (HCV C)                        |
| Reactivity:  | Hepatitis C Virus (HCV)                         |
| Host:        | Rabbit  |
| Clonality:   | Polyclonal                                      |
| Conjugate:   | This HCV Core Protein antibody is un-conjugated |
| Application: | Western Blotting (WB)                           |

## Product Details

|                             |  |
|-----------------------------|--|
| Immunogen:                  | KLH conjugated synthetic peptide derived from HCV-Core |
| Isotype:                    | IgG  |
| Cross-Reactivity:           | Human, Virus   |
| Cross-Reactivity (Details): | HCV  |
| Purification:               | Purified by Protein A.                                 |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | HCV Core Protein (HCV C)  |
| Alternative Name: | HCV Core Protein ( <a href="#">HCV C Products</a> )                                       |
| Target Type:      | Viral Protein   |
| Background:       | Synonyms: Core protein p19, Hepatitis C Virus Core Antigen-C, HCVAg, HCV-Core protein,HCV |

## Target Details

core antigen, HCV core protein, Hepatitis C Virus core protein, capsid protein, polyprotein precursor, Core protein p21, Core protein p9.

Background: Core protein packages viral RNA to form a viral nucleocapsid, and promotes virion budding. Modulates viral translation initiation by interacting with HCV IRES and 40S ribosomal subunit. Also regulates many host cellular functions such as signaling pathways and apoptosis. Prevents the establishment of cellular antiviral state by blocking the interferon-alpha/beta (IFN-alpha/beta) and IFN-gamma signaling pathways and by inducing human STAT1 degradation. Plays an important role in virus-mediated cell transformation leading to hepatocellular carcinomas. Interacts with, and activates STAT3 leading to cellular transformation. May repress the promoter of p53, and sequester CREB3 and SP110 isoform3/Sp110b in the cytoplasm. Also represses cell cycle negative regulating factor CDKN1A, thereby interrupting an important check point of normal cell cycle regulation. Targets transcription factors involved in the regulation of inflammatory responses and in the immune response: suppresses NK-kappaB activation, and activates AP-1. Mediates apoptotic pathways through association with TNF-type receptors TNFRSF1A and LTBR, although its effect on death receptors-induced apoptosis remains controversial. Enhances TRAIL mediated apoptosis, suggesting that it might play a role in mediated apoptosis, suggesting that it might play a role in immune-mediated liver cell injury. Secreted core protein is able to bind C1QR1 at the T-cell surface, resulting in down-regulation of T-lymphocytes proliferation. May transactivate human MYC, Rous sarcoma virus LTR, and SV40 promoters. May suppress the human FOS and HIV-1 LTR activity. May alter lipid metabolism by interacting with hepatocellular proteins involved in lipid accumulation and storage.

UniProt: [P26664](#)

## Application Details

Application Notes: WB 1:100-1000  
IHC-P 1:100-500  
IF(IHC-P) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

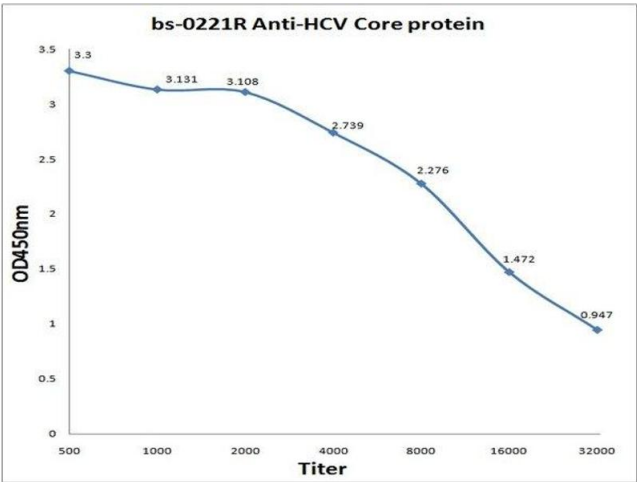
## Handling

|                    |   |
|--------------------|---|
| Buffer:            | 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.   |
| 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:   | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.   |
| Expiry Date:       | 12 months   |

## Publications

|                   |   |
|-------------------|---|
| Product cited in: | Niu, Fu, Du, Wang, Wang, Zhao, Du, Wang, Zhang, Sun, Nan: "miR-1273g-3p modulates activation and apoptosis of hepatic stellate cells by directly targeting PTEN in HCV-related liver fibrosis." in: <b>FEBS letters</b> , Vol. 590, Issue 16, pp. 2709-24, (2016) ( <a href="#">PubMed</a> ). |
|-------------------|---|

## Images



### ELISA

**Image 1.** Antigen: 0.2ug/100ul Primary: Antiserum, 1:500, 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000, Secondary: HRP conjugated Goat Anti-Rabbit IgG -HRP) at 1: 5000, TMB staining, Read the data in MicroplateReader by 450nm.