### bs-0221R

## [ Primary Antibody ]

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# **HCV Core protein Rabbit pAb**

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DATASHEET —

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

Target: HCV Core protein

Immunogen: KLH conjugated synthetic peptide derived from HCV-Core: 1-50/60.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: HCV is classified into the genus Hepacivirus of the family Flaviviridae. Like all the members of the family, HCV is an enveloped, single-stranded, positive-sense RNA virus. Its genome (about 9600 nt) is flanked at both termini by conserved, highly structured non-translated regions (NTRs) and encodes a polyprotein precursor (about 3000 aa), which is proteolytically processed by host and viral proteases to produce the structural (core, E1, E2 and p7) and non-structural (NS2, NS3, NS4A, NS4B, NS5A and NS5B) proteins of the virus. Recently, an additional protein has been identified, whose function remains unknown. NS5A is a ~56 kDa pleiotropic protein with key roles in both viral RNA replication and modulation of the physiology of the host cell. It's exact role is not currently known (2008).

**Applications: ELISA** (1:5000-10000)

Reactivity: (predicted: HCV)

Predicted MW.: 19/21 kDa

Subcellular Location: Cell membrane ,Cytoplasm

#### - SELECTED CITATIONS -

- [IF=5.168] Jiao et al. Insulin receptor substrate-4 interacts with ubiquitin-specific protease 18 to activate the Jak/STAT signaling pathway. (2017) Oncotarget. 8:105923-105935 ChIP; 29285303
- [IF=3.17] Niu, Xuemin, et al. "miR 1273g 3p modulates activation and apoptosis of hepatic stellate cells by directly targeting PTEN in HCV - related liver fibrosis." FEBS Letters (2016). WB; Human. 27423040