bs-0221R **[Primary Antibody]**

HCV Core protein Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: HCV

Target: HCV Core protein

Immunogen: KLH conjugated synthetic peptide derived from human 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% Glycerol.
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