

**bs-0213R****[ Primary Antibody ]****HCV NS4a Rabbit pAb**

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**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Applications:** ELISA (1:5000-10000)**Clonality:** Polyclonal**Reactivity:** Human (predicted: HCV)**Target:** HCV NS4a**Immunogen:** KLH conjugated synthetic peptide derived from HCV-NS4a: 1658-1711/3010.**Purification:** affinity purified by Protein A**Predicted MW.:** 5 kDa**Concentration:** 1mg/ml**Subcellular Location:** Cell membrane ,Cytoplasm**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).