



Rabbit Anti-HCV Virus Polyclonal Antibody Datasheet

Product Name: pAb Rabbit anti-HCV virus

Catalogue No.: AI20006P

Quantity: 1.0 mg/vial

Description: Rabbit anti human hepatitis C virus (HCV) polyclonal antibody

Purification: Protein G affinity purified

Product Type: Primary antibody

Target Protein: Human hepatitis C virus (HCV)

Immunogen: 60kD recombinant chimeric HCV polyprotein cloned from a HCV strain originated from China. The polyprotein contains HCV structural proteins(C, E1, E2), and non-structural protein (NS2, NS3 and NS4a).

Source: Rabbit

Specificity: The polyclonal antibody reacts with the immunogen (60kD recombinant chimeric HCV polyprotein), recombinant capsid protein C and envelop protein M (1aa-142 aa), synthetic capsid protein C peptide(1aa-61aa), recombinant NS3 (1252aa-1477aa), synthetic NS3 (1378aa-1458aa), synthetic NS4a (1689aa-1735aa).

Species Reactivity: Human hepatitis C virus, others not tested

Formulation: Lyophilized from a solution in 0.01M PBS, pH 7.2

Reconstitution: Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.

Storage: Store at -20°C

Research Area: Virology

Background: Hepatitis C virus (HCV) causes chronic hepatitis and liver cirrhosis in human through blood and body fluid transmission. HCV has a positive sense single RNA genome enclosed in the nucleocapsid made of Core Protein (Capsid Protein). The nucleocapsid is covered by an envelope made of lipoproteins (E1 and E2). The 9.6 kb HCV genome has a single open-reading frame, which is to be translated into a single polyprotein. HCV viral proteins are produced after processing the polyprotein. Genes for core protein and envelop proteins are located adjacently at the 5'-end of HCV genome, followed by genes for non-structural proteins including NS2, NS3, NS4A, NS4B, NS5, NS5A and NS5B.

Applications: **ELISA:** The antibody is reactive to HCV virus in ELISA.

Western Blot: The antibody can be used 1:5,000 diluted for Western blot.

References: If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.

This product is for **LABORATORY RESEARCH USE** and further manufacture **ONLY**, and cannot be administrated to human and animals for use in diagnostic and therapeutic procedures.

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