

Anti-HCV NS3 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	(predicted:Hepatitis C Virus)
Molecular Weight:	Theoretical: 69 kDa.
Purification:	Protein A purified

Applications

Application:	ELISA
Recommended	ELISA: 1:5000-10000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: HCV-NS3 NS3;HCV-NS3;Serine protease;NS3P;HCV NS3 transactivated protein;Hepacivirin;Serine
Synonyms:	protease NS3;Serine protease/NTPase/helicase.helicase NS3;p70;POLG_HCVBK;non structural polyprotein NS3;NTPase;Hepatitis C Virus NS3
Biology Area:	HCV,Hepatitis A/C/E/G

Research 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).

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