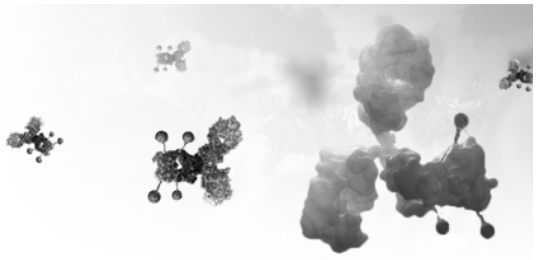

Anti-HCV Envelope Antigen 1 Polyclonal antibody (DPAB0107)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	HCV E1 envelope protein. Reacts with genotype 1a in ELISA. Reacts with genotypes 1b and 2a in Western blot. In IFA, reacts with genotype 1b, but does not react with genotype 2a.
Target	HCV Envelope Antigen 1
Immunogen	Recombinant E1 (genotype 1a)
Source/Host	Goat
Species Reactivity	HCV
Purification	95% pure. Sodium sulfate precipitation and ion exchange chromatography
Conjugate	Unconjugated
Applications	Suitable for use in ELISA, IFA and Western blot. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Format	Purified, Liquid
Concentration	4-5mg/ml (OD280nm, E0.1% = 1.4)
Size	1 ml
Buffer	0.01M PBS, pH 7.2. No stabilizing proteins have been added.
Preservative	0.1% Sodium Azide
Storage	Short term (up to 6 months) store at 2-8°C. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

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BACKGROUND

Introduction	The hepatitis C virus (HCV) core protein represents the first 191 amino acids of the viral precursor polyprotein and is cotranslationally inserted into the membrane of the endoplasmic reticulum. Hepatitis C virus (HCV) core is a viral structural protein; it also participates in some cellular processes, including transcriptional regulation. However the mechanisms of core-mediated transcriptional regulation remain poorly understood. Hepatitis C virus (HCV) core protein is thought to contribute to HCV pathogenesis through its interaction with various signal transduction pathways. In addition, HCV core antigen is a recently developed marker of hepatitis C infection. The HCV core protein has been previously shown to circulate in the bloodstream of HCV-infected patients and inhibit host immunity through an interaction with gC1qR.
Keywords	E1 protein; Envelope glycoprotein E1; Gp32; Gp35; HCV E1; HCV envelope glycoprotein E1; Hepatitis C virus envelope glycoprotein E1; Hepatitis C Virus E1; Flaviviridae; Hepacivirus; Hepatitis C virus

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