



# Anti-HCV Envelope Antigen 2 Polyclonal antibody (DPAB0207)

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

## PRODUCT INFORMATION

<b>Specificity</b>	E2 envelope protein
<b>Target</b>	HCV Envelope Antigen 2
<b>Immunogen</b>	Recombinant E2 (genotype 1a)
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	HCV
<b>Purification</b>	95% pure. Sodium sulfate precipitation and ion-exchange chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Suitable for use in ELISA, Western blot and IFA. 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.
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	4-5mg/ml (OD280nm, E0.1% = 1.4)
<b>Size</b>	1 ml
<b>Buffer</b>	0.01M PBS, pH 7.2. Product contains no stabilizing proteins.
<b>Preservative</b>	0.1% Sodium Azide
<b>Storage</b>	Short-term (up to 6 months) store at 2-8°C. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

# 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	HCV NS3 transactivated protein; NS 3; NS3; NS3P; p70; Serine protease/NTPase/helicase; Hepatitis C Virus NS3; Flaviviridae; Hepacivirus; Hepatitis C virus; HCV NS-3