



Anti-HCV type A, B Nonstructural Protein 5 Polyclonal antibody (DPAB0256)

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

PRODUCT INFORMATION

Specificity	NS-5a&b
Target	HCV type A, B Nonstructural Protein 5
Immunogen	Recombinant NS-5 a&b genotype 1a (100% of a and 70% of b)
Source/Host	Goat
Species Reactivity	HCV
Purification	95% pure. Sodium sulfate precipitation and ion-exchange chromatography
Conjugate	Unconjugated
Applications	Suitable for use in Western blot immunoassay (1:100) and ELISA. 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.

BACKGROUND

Introduction

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.

Keywords

HCV; HCV Non-structural protein 5A; Non-structural protein 5A; Flaviviridae; Hepacivirus; Hepatitis C virus; Hepatitis C virus nonstructural protein 5; Hepatitis C virus non structural protein 5