Hepatitis C core protein monoclonal antibody (C7-50)

Hepatitis C virus (HCV) is the primary cause of non-A, non-B hepatitis and results in most HCV-infected people developing chronic infections, liver cirrhosis and hepatocellular carcinoma. The 21kDa core protein of HCV is well conserved among different HCV genotypes and may suppress hepatitis B virus replication in a phosphorylation dependent manner.

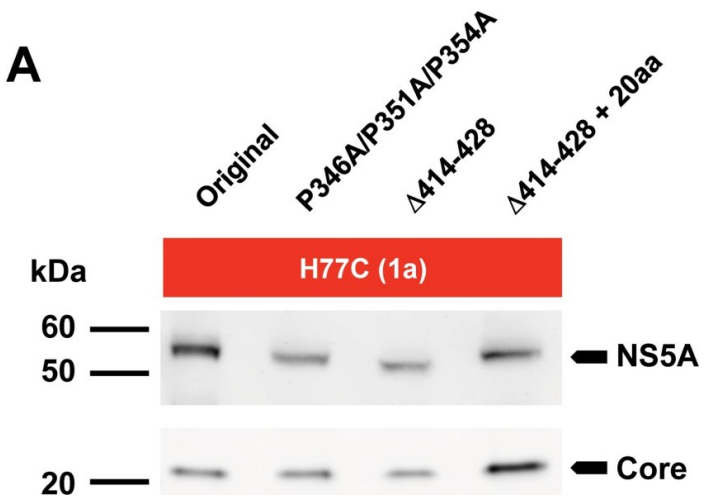
This antibody is covered by our Worry-Free Guarantee.

Citations: 10 View Online »

Ordering Information Order Online »

ALX-804-277-C100	100µg

Manuals, SDS & CofA View Online »



NS5A stability of H77C(1a) mutants.Amounts of NS5A were compared to Core after spread of infection to >80% of Huh7.5 cells transfected with H77C(1a) and P346A/P351A/P354A, Δ414-428 or “Δ414-428+20aa” mutants. (A) Western blots from a representative experiment of NS5A (56/58 kDa for original), and Core (21 kDa) detected with antibodies H26 (Abcam) and C7-50 (Enzo Life Science), respectively. (B) Ratios between NS5A/Core were calculated after subtraction of background using ImageJ and normalized to the original H77C(1a). Values from two independent transfection experiments are shown.

Image collected and cropped by CiteAb under a CC-BY license from the following publication: Analysis of functional differences between hepatitis C virus NS5A of genotypes 1-7 in infectious cell culture systems. *PLoS Pathog* (2012)

Handling & Storage

Handling	Avoid freeze/thaw cycles.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Application	ELISA, ICC, IP, WB
Application Notes	Immunocytochemical staining of HCV core protein in transfected chimp hepatocytes yields a staining pattern consistent with cytoplasmic and vesicular staining. Detects a band of ~21kDa by Western blot.
Clone	C7-50
Formulation	Liquid. In PBS containing 0.05% sodium azide.
Host	Mouse
Immunogen	Purified HCV (hepatitis C virus) core fusion protein (genotype 1b).
Isotype	IgG1
Recommendation Dilutions/Conditions	Western Blot (1µg/ml)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.
Species Reactivity	Hepatitis C virus
Specificity	Recognizes an epitope between aa 21-40 of HCV core protein. This sequence is conserved among different HCV strains.
Worry-free Guarantee	**This antibody is covered by our Worry-Free Guarantee .**

Last modified: May 29, 2024

ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

For local distributors and detailed product information visit us online: enzo.com All product names, logos, and brands are the property of their respective owners.