

Product datasheet

Biotin Anti-Hepatitis C Virus NS4A antibody [S4-13] ab124526

[2 Images](#)

Overview

Product name	Biotin Anti-Hepatitis C Virus NS4A antibody [S4-13]
Description	Biotin Mouse monoclonal [S4-13] to Hepatitis C Virus NS4A
Host species	Mouse
Conjugation	Biotin
Specificity	Specific to Human Hepatitis C Virus NS4A protein of genotype 1b. Not tested in other genotypes
Tested applications	Suitable for: Flow Cyt (Intra), WB, ELISA, ICC/IF
Species reactivity	Reacts with: Hepatitis C virus
Immunogen	A region of NS4 protein of Hepatitis C Virus genotype 1b expressed in <i>E. coli</i> .
Epitope	N terminal region of the NS4 protein (NS4A).
Positive control	Chimp liver cells infected with recombinant vaccinia virus containing a HCV genome cDNA.
General notes	[biotin] / [IgG] = 11.3

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 6 Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine)
Purity	Proprietary Purification
Purification notes	Purity >95% by SDS-PAGE.

Clonality	Monoclonal
Clone number	S4-13
Isotype	IgG2b
Light chain type	kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab124526 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		Use at an assay dependent concentration. ab18418 - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.
WB		Use at an assay dependent concentration. Predicted molecular weight: 6 kDa.
ELISA		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.

Target

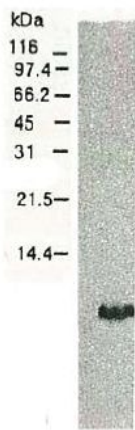
Relevance

Hepatitis C Virus is a positive, single-stranded RNA virus in the Flaviviridae family. The genome is approximately 10,000 nucleotides and encodes a single polyprotein of about 3,000 amino acids. The polyprotein is processed by host cell and viral proteases into three major structural proteins and several non-structural protein necessary for viral replication. Several different genotypes of Hepatitis C Virus with slightly different genomic sequences have since been identified that correlate with differences in response to treatment with interferon alpha

Cellular localization

Host endoplasmic reticulum membrane; Single-pass type I membrane protein Potential. Note: Host membrane insertion occurs after processing by the NS3 protease.

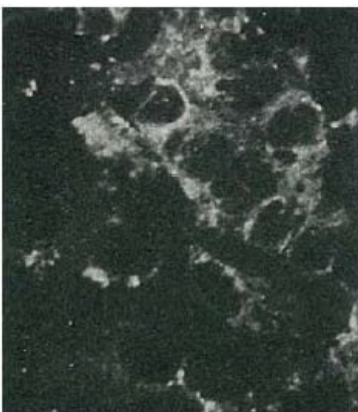
Images



Western blot - Biotin Anti-Hepatitis C Virus NS4A antibody [S4-13] (ab124526)

Biotin Anti-Hepatitis C Virus NS4A antibody [S4-13] (ab124526) + Chimp liver cells infected with recombinant vaccinia virus containing a HCV genome cDNA.

Predicted band size: 6 kDa



Immunocytochemistry/ Immunofluorescence - Biotin Anti-Hepatitis C Virus NS4A antibody [S4-13] (ab124526)

ab124526 staining Hepatitis C Virus NS4A in Chimp liver cells infected with recombinant vaccinia virus containing a HCV genome cDNA. After incubation for 48 hr, the cells were fixed with acetone and Hepatitis C Virus NS4A protein was detected by indirect immunofluorescence staining using this antibody.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet

- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors