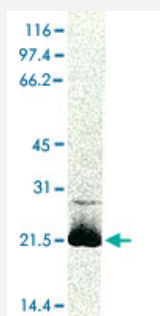


Hepatitis C virus core protein monoclonal antibody, clone H6-29

Catalog # MAB7949

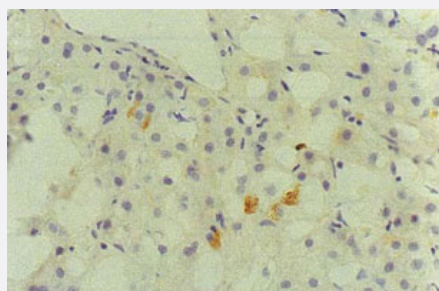
Size 100 ug

Applications



Western Blot (Recombinant protein)

Western blotting of HCV core protein. Chimp liver cells were infected with recombinant vaccinia virus containing a HCV genome cDNA and were subjected to Western blotting using HCV Core protein monoclonal antibody, clone H6-29 (Cat # MAB7949). The core protein is detected as a 22-kDa band.



Immunohistochemistry

Immunohistochemical detection of HCV core protein with HCV Core protein monoclonal antibody, clone H6-29 (Cat # MAB7949). Tissue section from a patient with chronic hepatitis C was immunostained to reveal cells expressing HCV core antigen, which are scattered in the lobules (indirect immunohistochemical method, counterstained with Mayer's hematoxylin).



Immunofluorescence

Detection of HCV core protein by immunofluorescence antibody staining. Chimp liver cells were infected with recombinant vaccinia virus containing a HCV genome cDNA. After incubation for 48 hr, the cells were fixed with acetone and HCV core protein was detected by indirect immunofluorescence staining using HCV Core protein monoclonal antibody, clone H6-29 (Cat # MAB7949).

Specification

Product Description

Mouse monoclonal antibody raised against recombinant hepatitis C virus core protein.

Immunogen	Recombinant protein corresponding to amino acids 13-124 of HCV core protein.
Host	Mouse
Reactivity	Viruses
Specificity	This antibody is specific to human HCV core antigen.
Form	Liquid
Isotype	IgG2a, kappa
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

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- Enzyme-linked Immunoabsorbent Assay

Publication Reference

- [Hydrogen Peroxide Inhibits Hepatitis C Virus Replication by Downregulating Hepatitis C Virus Core Levels through E6-Associated Protein-Mediated Proteasomal Degradation.](#)

Hyunyoung Yoon, Kyung Lib Jang.

Cells 2023 Dec; 13(1):62.

Application: IP, Human, HepG2, Hep3B cells

- [Molecular virology of hepatitis C virus \(HCV\): 2006 update.](#)

Brass V, Moradpour D, Blum HE.

International Journal of Molecular Sciences 2006 Apr; 3(2):29.

- [Production of nonstructural proteins of hepatitis C virus requires a putative viral protease encoded by NS3.](#)

Manabe S, Fuke I, Tanishita O, Kaji C, Gomi Y, Yoshida S, Mori C, Takamizawa A, Yosida I, Okayama H.

Virology 1994 Feb; 198(2):636.

Application: IF, WB-Tr, Chimpanzee, Chimp liver cells

- [Immunohistochemical detection of hepatitis C virus-infected hepatocytes in chronic liver disease with monoclonal antibodies to core, envelope and NS3 regions of the hepatitis C virus genome.](#)

Hiramatsu N, Hayashi N, Haruna Y, Kasahara A, Fusamoto H, Mori C, Fuke I, Okayama H, Kamada T.

Hepatology 1992 Aug; 16(2):306.

Application: IHC-Fr, Human, Human liver tissues

- [Structure and organization of the hepatitis C virus genome isolated from human carriers.](#)

Takamizawa A, Mori C, Fuke I, Manabe S, Murakami S, Fujita J, Onishi E, Andoh T, Yoshida I, Okayama H.

Journal of Virology 1991 Mar; 65(3):1105.

- [Molecular cloning of the human hepatitis C virus genome from Japanese patients with non-A, non-B hepatitis.](#)

Kato N, Hijikata M, Ootsuyama Y, Nakagawa M, Ohkoshi S, Sugimura T, Shimotohno K.

PNAS 1990 Dec; 87(24):9524.

Application: ELISA, WB-Ce, WB-Ti, Human, Mammalian cells, Plasma, Serum