

Datasheet for ABIN2451996
anti-HCV Core Protein antibody (AA 13-124, AA 369-704)
(Biotin)

[Go to Product page](#)[6 Images](#)[5 Publications](#)

Overview

Quantity:	50 µg
Target:	HCV Core Protein (HCV C)
Binding Specificity:	AA 13-124, AA 369-704
Reactivity:	Hepatitis C Virus (HCV)
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HCV Core Protein antibody is conjugated to Biotin
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC)

Product Details

Immunogen:	A part of the core region (nucleotides 369-704, aa 13-124) of HCV C expressed in E. coli
Clone:	H6-29
Isotype:	IgG2a kappa
Specificity:	Specific to human HCV core antigen of genotype 1b.
Cross-Reactivity (Details):	Not tested in other genotypes.
Sterility:	Sterile filtered

Target Details

Target:	HCV Core Protein (HCV C)
Alternative Name:	HCV Core Protein (HCV C Products)

Target Details

Target Type:	Viral Protein
Background:	<p>Hepatitis C virus (HCV) is a small (55-65 nm in size), enveloped, positive sense single-stranded RNA virus in the family Flaviviridae and the principal cause of parenteral non-A, non-B hepatitis. The virus genome consists of a single open reading frame of approximately 9,4 kb which encodes a single polyprotein of about 3,010 amino acids. The polyprotein is processed by host cell and viral proteases into four structural proteins (core, envelope1 and 2, and p7) and six non-structural proteins (NS2, 3, 4a, 4b, 5a, and 5b) necessary for viral replication. HCV core protein is not only a component of nucleocapsid but also has multiple functions and is a pathogenic factor for hepatitis. It also participates in some cellular processes, including transcriptional regulation and cellular transduction. HCV core antigen is used as diagnostic marker for HCV infection.</p>

Application Details

Application Notes:	<ol style="list-style-type: none">1. Western blotting2. Immunohistochemistry3. Immunofluorescence staining4. ELISA
Comment:	Conjugate: Bitin conjugated, [biotin] / [IgG] = 6.6
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.7 mg/mL
Buffer:	PBS, 50 % glycerol
Preservative:	Azide free
Storage:	-20 °C

Publications

Product cited in:	Freed: "HIV-1 gag proteins: diverse functions in the virus life cycle." in: Virology , Vol. 251, Issue 1, pp. 1-15, (1998) (PubMed).
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Saito, Morimoto, Ohara, Takamizawa, Nakata, Shinagawa: "Overproduction, purification, and

diagnostic use of the recombinant HIV-1 Gag proteins, the precursor protein p55 and the processed products p17, p24, and p15." in: **Microbiology and immunology**, Vol. 39, Issue 7, pp. 473-83, (1996) ([PubMed](#)).

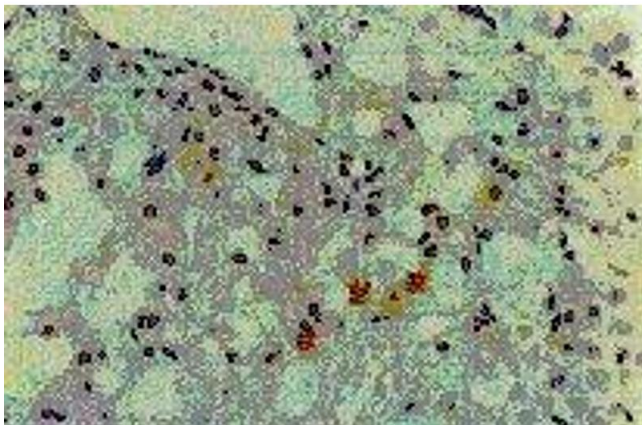
Adachi, Gendelman, Koenig, Folks, Willey, Rabson, Martin: "Production of acquired immunodeficiency syndrome-associated retrovirus in human and nonhuman cells transfected with an infectious molecular clone." in: **Journal of virology**, Vol. 59, Issue 2, pp. 284-91, (1986) ([PubMed](#)).

Images



Immunofluorescence

Image 1.



Immunohistochemistry

Image 2.



Western Blotting

Image 3.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN2451996.