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The HCV life cycle begins with the HCV low-affinity binding to two host receptors on the surface of a hepatocyte: low density lipoprotein receptor (LDLr) and heparin sulfate proteoglycans (HSPGs). This initial interaction triggers the HCV outer E1/E2 heterodimer membrane protein to bind to the scavenger receptor B1 (SRB1) and the tetraspanin protein CD81.

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Author: Mina Ibarra, Leonardo Bruno Publish Year: 2010

Cortactin Interacts with Hepatitis C Virus Core and NS5A ...

<https://pubmed.ncbi.nlm.nih.gov/32727880>

Hepatitis C virus (HCV) exploits cellular proteins to facilitate viral propagation. To identify the cellular factors involved in HCV life cycle, we previously performed protein microarray assays using either HCV nonstructural 5A (NS5A) protein or core protein as a probe. Interestingly, cellular cortactin strongly interacted with both NS5A and core.

Author: Lap P Nguyen, Lap P Nguyen, Tram T... Publish Year: 2020

The Life Cycle of Hepatitis C - Healthline

<https://www.healthline.com/health/hepatitis-c/hepatitis-c-life-cycle> ▾

Nov 18, 2016 · The 8 stages of the hepatitis C viral life cycle The earlier you're treated for hepatitis C, the better. So it's important to understand the life cycle of the virus.

Author: Annette Mcdermott

Virology and cell biology of the hepatitis C virus life ...

<https://www.semanticscholar.org/paper/Virology-and-cell-biology-of-the-hepatitis-C...>

Figure 3 from Virology and cell biology of the hepatitis C virus life cycle: an update. | Semantic Scholar.

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Cited by: 158 Author: Jean Dubuisson, François-Loïc Cosset Publish Year: 2014

HCV Genome and Life Cycle - Hepatitis C Viruses - NCBI ...

https://www.ncbi.nlm.nih.gov/books/n/hcv/ch1/?report=reader

Hepatitis C virus (HCV) infection affects more than 170 million people worldwide, with the great majority of patients with acute hepatitis C developing chronic HCV infection. It can ultimately result in liver cirrhosis, hepatic failure or hepatocellular carcinoma, which are responsible for hundreds of thousands of deaths each year. Despite the discovery of HCV over 15 years ago, our knowledge ...

Cited by: 79 Author: Stéphane Chevaliez, Jean-Michel Pawlot... Publish Year: 2006

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Rna Virus



The hepatitis C virus is a small, enveloped, positive-sense single-stranded RNA virus of the family Flaviviridae. The hepatitis C virus is the cause of hepatitis C and some cancers such as liver cancer and lymphomas in humans.

Wikipedia

Higher classification: Hepacivirus

Scientific name: Hepatitis C Virus

Family: Flaviviridae

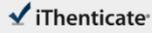
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Cellular factors involved in the hepatitis C virus life cycle

Cellular factors in HCV life cycle

Hui-Chun Li, Chee-Hing Yang, Shih-Yen Lo

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