Quotes Excluded Bibliography Excluded

15% SIMILAR



Name of Journal: World Journal of Gastroenterology

Manuscript NO: 43024

Manuscript Type: REVIEW

Hepatitis C virus core protein modulates several signaling pathways involved in hepatocellular carcinoma

Mahmoudvand S et al. Modulation of signaling pathways involved in HCC

Shahab Mahmoudvand, Somayeh Shokri, Reza Taherkhani, Fatemeh Farshadpour

Abstract

Hepatocellular carcinoma (HCC) is the fifth most common cancer, and hepatitis C

virus (HCV) infection plays a major role in HCC development. The molecular mechanisms by which HCV infection leads to HCC are varied. HCV core protein is an important risk factor in HCV-associated liver pathogenesis and can modulate several signaling pathways involved in cell cycle regulation, cell growth promotion, cell proliferation, apoptosis, oxidative stress and lipid metabolism. The dysregulation of signaling pathways such as transforming growth factor β (TGF- β), vascular endothelial growth factor (VEGF), Wnt/ β -catenin (WNT), cyclooxygenase-2 (COX-2) and peroxisome proliferator-activated receptor α (PPAR α) by HCV core protein is implicated in development of HCC. Therefore, it is suggested that this protein should be considered as a favorable target for further studies in the development of HCC. In addition, considering the axial role of these signaling pathways in HCC, they are considered as drugable targets for cancer therapy.

		Olivillo si t
Ma	tch Overview	■■ In
4		P
1	Internet 79 words crawled on 09-Nov-2017 citeseerx.ist.psu.edu	2%
2	Internet 75 words crawled on 17-Apr-2014 www.ncbi.nlm.nih.gov	1%
3	Crossref 40 words Lombardi, Ana Paola G., Carine Royer, Raisa Pisolato, Fer nanda N. Cavalcanti, Thais G. Lucas, Maria Fatima M. Laz	1%
4	Internet 39 words crawled on 18-Oct-2017 www.mdpi.com	1%
5	Internet 28 words crawled on 15-Apr-2018 www.karger.com	1%
6	Internet 28 words mvlab-fudan.cn	1%
7	Internet 28 words crawled on 07-Nov-2016 www.spandidos-publications.com	1%
8	Crossref 22 words Liang, T.J "Pathogenesis of hepatitis C-associated hepat ocellular carcinoma", Gastroenterology, 200411	<1%



Hepatitis C virus core protein modulates several signaling pathways involved in



工具

全部

新闻

图片

视频

购物

更多

设置

找到约 814,000 条结果 (用时 0.65 秒)

Google 学术: Hepatitis C virus core protein modulates several signaling pathways involved in hepatocellular carcinoma

Hepatitis C virus core protein binds to the cytoplasmic ... - Zhu - 被引用次数: 524

Hepatitis C virus core protein modulates TRAIL- ... - Chou - 被引用次数: 137

Human hepatitis C virus NS5A protein alters ... - Gong - 被引用次数: 651

Hepatitis C Virus Core Protein Modulates Endoglin (CD105) Signaling ...

https://www.ncbi.nlm.nih.gov/pubmed/28794048 - 翻译此页

作者: YC Kwon - 2017 - 被引用次数: 2 - 相关文章

2017年11月1日 - Hepatitis C Virus Core Protein Modulates Endoglin (CD105) ... surface of an HCV core-expressing hepatocellular carcinoma (HepG2) cell line or ... CSC generation by HCV core protein was dependent on the endoglin signaling pathway ... Endoglin enhances ALK1-SMAD1/5 signaling in different cell types, ...

Hepatitis C Virus Core Protein Modulates Endoglin ... - NCBI - NIH

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5640840/ - 翻译此页

作者: YC Kwon - 2017 - 被引用次数: 1 - 相关文章

2017年10月13日 - KEYWORDS: HCV, HCC, core, endoglin, angiogenesis, hepatitis C virus ... for TGF-β, a pleotropic protein involved in cytokine-regulating cellular ... Endoglin expression is upregulated in various cancers (8) and correlates with the ... We also determined the downstream signaling pathway of endoglin for cell ...

Hepatitis C Virus Core Protein Modulates TRAIL-Mediated Apoptosis ... www.jimmunol.org/content/174/4/2160 - 翻译此页

作者: AH Chou - 2005 - 被引用次数: 137 - 相关文章

core protein that ...

2005年2月15日 - However, HCV core protein induces TRAIL apoptosis signaling via ... These findings led us to hypothesize that TRAIL/TRAIL receptor interaction is involved in the ... Human HCC cell lines were cultured in 96-well plate (10⁴cells/well) signal transduction pathway modulated by HCV

Hepatitis C Virus Core Protein Modulates Endoglin ... - Semantic











全部 新闻 图片 视频 购物 更多 设置 工具

找到约 558,000 条结果 (用时 0.67 秒)

Google 学术: Hepatitis C virus core protein modulates several signaling pathways involved in hepatocellular carcinoma

Hepatitis C virus core protein binds to the cytoplasmic ... - Zhu - 被引用次数: 524

Hepatitis C virus core protein modulates TRAIL- ... - Chou - 被引用次数: 137

Human hepatitis C virus NS5A protein alters ... - Gong - 被引用次数: 656

Hepatitis C Virus Core Protein Modulates TRAIL-Mediated Apoptosis ...

www.jimmunol.org/content/174/4/2160 - 翻译此页

作者: AH Chou - 2005 - 被引用次数: 137 - 相关文章

2005年2月15日 - However, HCV core protein induces TRAIL apoptosis signaling via ... These findings led us to hypothesize that TRAIL/TRAIL receptor interaction is involved in the ... Human HCC cell lines were cultured in 96-well plate (10⁴cells/well) signal transduction pathway modulated by HCV core protein that ...

Hepatitis C Virus core+1/ARF Protein Modulates the Cyclin D1/pRb ...

https://jvi.asm.org/content/92/9/e02036-17 - 翻译此页

作者: S Moustafa - 2018 - 相关文章

Hepatitis C Virus core+1/ARF Protein Modulates the Cyclin D1/pRb Pathway and ... Hepatocellular carcinoma (HCC) is one of the most common human cancers, ... in HCV-infected patients (26–29) reported by several laboratories worldwide peroxidase-linked antibodies (Cell Signaling Technology), proteins were ...

Hepatitis C Virus Core Protein Modulates ... - Journal of Virology

https://jvi.asm.org/content/91/21/e01235-17 - 翻译此页

作者: YC Kwon - 2017 - 被引用次数: 4 - 相关文章

Hepatitis C Virus Core Protein Modulates Endoglin (CD105) Signaling ... CSC generation by HCV core protein was dependent on the endoglin signaling pathway using ... Endoglin is an accessory coreceptor for TGF-β, a pleotropic protein involved in Endoglin is a marker of angiogenesis in HCC (49, 50) and might be ...



Hepatitis C virus core protein modulates several signaling pathways involv 👃





全部

新闻

图片

视频

购物

更多

设置

丁具

找到约 643,000 条结果 (用时 0.62 秒)

Google 学术: Hepatitis C virus core protein modulates several signaling pathways involved in hepatocellular carcinoma

Hepatitis C virus core protein binds to the cytoplasmic ... - Zhu - 被引用次数: 524

Hepatitis C virus core protein modulates TRAIL- ... - Chou - 被引用次数: 137

Human hepatitis C virus NS5A protein alters ... - Gong - 被引用次数: 656

Hepatitis C Virus Core Protein Modulates TRAIL-Mediated Apoptosis ...

www.jimmunol.org/content/174/4/2160 - 翻译此页

作者: AH Chou - 2005 - 被引用次数: 137 - 相关文章

2005年2月15日 - Hepatitis C virus (HCV) is a major human pathogen causing chronic liver disease, which leads to cirrhosis of liver and hepatocellular carcinoma. ... However, HCV core protein induces TRAIL apoptosis signaling via sequential induction of caspase-8, Bid cleavage, activation of mitochondrial pathway, and effector caspase-3.

Hepatitis C virus core protein modulates pRb2/p130 expression in ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4650920/ - 翻译此页

作者: AM Mileo - 2015 - 被引用次数: 11 - 相关文章

2015年11月14日 - Keywords: Hepatitis C Virus, Hepatocellular carcinoma, HCV core protein, RBL2, in several cellular signal transduction pathways that affect cell survival, ... the involvement of the RB family factors in the HCV core protein ...

Molecular basis of hepatocellular carcinoma induced by hepatitis C ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5756719/ - 翻译此页

作者: M Irshad - 2017 - 被引用次数: 8 - 相关文章

跳到VIRAL FACTORS - The role of core protein in the development of HCC was studied in ... NS3 protein modulates various signal transduction pathways having ... no doubt that involvement of these proteins at various steps of complex ...

Abstract - INTRODUCTION - MECHANISMS OF HCV ... - HOST FACTORS