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作者: SR Lin - 2014 - 被引用次数: 21 - [相关文章](#)

2014年8月19日 - Curing CHB requires elimination of persistent HBV cccDNA or infected

... To improve the efficiency of the CRISPR/Cas9 system, we further constructed a dual

... Designs of gRNAs targeting (hepatitis B virus) HBV-specific sequences. ... The HBV-

specific CRISPR/Cas9 system facilitated the clearance of ...

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作者: MK White - [相关文章](#)

2015年4月29日 - When the gRNA and Cas9 are co-expressed in cells, the DNA target

sequence ... Cas9 to the FokI restriction endonuclease to create an RNA-guided

nuclease ... circular DNA (cccDNA), which is a hurdle for eradication of the virus. ...

Thus, CRISPR/Cas9 system could disrupt the HBV templates both in vitro ...

[HBV cccDNA: viral persistence reservoir and key obstacle ...](#)

[gut.bmj.com/content/early/2015/06/.../gutjnl-2015-309809.full](#) - [翻译此页](#)

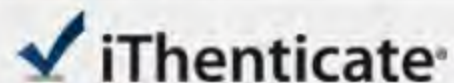
作者: M Nassal - 2015

2015年6月5日 - After a brief overview of the role of cccDNA in the HBV infectious ... rates

of viral resistance development.<sup>5</sup> However, HBsAg clearance is ... which is accounted

for by its dual topology (figure 1A), with one part ... palindromic repeats (CRISPR)/Cas

system.<sup>85</sup> However, numerous ... Turnell AS; Grand RJ.



17129-Review

BY JIE WANG

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Jie Wang, Zhong-Wei Xu, Shuang Liu, Rui-Yang Zhang, Shan-Long Ding,

Xiao-Meng Xie, Lu Long, Xiang-Mei Chen, Hui Zhuang, Feng-Min Lu

**Abstract**

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作者: SR Lin - 2014 - 被引用次数: 21 - 相关文章

2014年8月19日 - Persistence of **hepatitis B virus (HBV)** covalently closed circular DNA ... A. With the **HBV-specific gRNAs**, the **CRISPR/Cas9 system** significantly ... despite its effective suppression of **HBV replication** by **inhibiting viral** reverse transcriptase. ... the crRNA and tracrRNA into a single chimeric **guide RNA (gRNA)**.

**CRISPR/Cas9 cleavage of viral DNA efficiently suppresses ...**

[www.nature.com/articles/srep10833](http://www.nature.com/articles/srep10833) - [翻译此页](#)

作者: V Ramanan - 2015

2015年6月2日 - Chronic **hepatitis B virus (HBV)** infection is prevalent, deadly, and ... Here, we show that the **CRISPR/Cas9 system** can specifically target and ... Currently approved **HBV** therapies act post-transcriptionally to **inhibit viral replication** and ... Cas9 and individual **gRNAs**, and measured the production of **HBV** ...

**[PDF] Gene therapeutic approaches to inhibit hepatitis B virus ...**

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作者: M Gebbing - 2015 - 相关文章

2015年2月27日 - for **inhibition** of **HBV replication** based on DNA, RNA ... partially **double-stranded DNA virus** which replicates ... short palindromic repeats)/Cas9 nuclease **system** (2) is directed by a **guide RNA (gRNA)** to the ... **CRISPR/Cas9**.



Dual gRNAs guided CRISPR/Cas9 system inhibits hepatitis B virus replica



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作者：V Ramanan - 2015

2015年6月2日 - Chronic **hepatitis B virus (HBV)** infection is prevalent, deadly, and ...

Here, we show that the **CRISPR/Cas9 system** can specifically target and cleave ....

Currently approved **HBV** therapies act post-transcriptionally to **inhibit viral replication** ...

been adapted as an **RNA-guided**, sequence-specific DNA nuclease ...

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作者：SR Lin - 2014 - 被引用次数：22 - 相关文章

2014年8月19日 - Persistence of **hepatitis B virus (HBV)** covalently closed circular

DNA ... the **HBV**-specific **gRNAs**, the **CRISPR/Cas9 system** significantly reduced

the ... despite its effective suppression of **HBV replication** by inhibiting **viral** ... To

improve the efficiency of the **CRISPR/Cas9 system**, we further constructed a **dual** ...

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作者：M Gebbing - 2015 - 相关文章

2015年2月27日 - mention other strategies to reduce **HBV replication** ... partially

**double**-stranded DNA **virus** which replicates .... the CRISPR (clustered regularly

interspaced short palindromic repeats)/Cas9 nuclease **system** (2) is directed by a

guide RNA (**gRNA**) to the .... **CRISPR/Cas9** ..... In conclusion the **RNA-guided**.