

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 47646

Title: Effect of NLR on activation and reversion of hepatic stellate cell by regulating nuclear factor- κ B signaling pathway

Reviewer's code: 02992560

Reviewer's country: Germany

Science editor: Ruo-Yu Ma

Reviewer accepted review: 2019-03-22 01:09

Reviewer performed review: 2019-03-27 10:40

Review time: 5 Days and 9 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This is an interesting study about the effect of NLRC5 on activation, and reversion of HSC by regulating NF- κ B signaling pathway. With the deepening of the fibrosis mechanism, a series of treatment measures as removing the cause and inhibiting the



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activation of HSC has been applied to clinical therapy. Some studies suggest that NLRC5 is involved in the development of liver fibrosis, however, there are few reports on the role of NLRC5 in liver fibrosis. In this study, the authors investigated the role and mechanism of NLRC5 in HSC activation and reversal, and explored its relationship with liver fibrosis to evaluate its clinical application value. The study is well designed. Methods are very clear. The IRB statements should be included in the methods. Results are very detail, and interesting. The figures are interesting, but should be moved to the end of the manuscript. Discussion can be shorten. Refenreces are updated. Some minor language polishing should be checked and revised.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ [Y] No

BPG Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ [Y] No

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 47646

Title: Effect of NLR on activation and reversion of hepatic stellate cell by regulating nuclear factor- κ B signaling pathway

Reviewer's code: 02945967

Reviewer's country: Denmark

Science editor: Ruo-Yu Ma

Reviewer accepted review: 2019-03-22 01:08

Reviewer performed review: 2019-03-27 10:42

Review time: 5 Days and 9 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input checked="" type="checkbox"/> Yes
			<input type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Very interesting study. Only some minor language polishing should be corrected. I have no further comments.



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INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

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- ☐ Plagiarism
- ☐ No

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 47646

Title: Effect of NLR on activation and reversion of hepatic stellate cell by regulating nuclear factor- κ B signaling pathway

Reviewer's code: 02945676

Reviewer's country: United States

Science editor: Ruo-Yu Ma

Reviewer accepted review: 2019-03-22 01:08

Reviewer performed review: 2019-03-27 10:46

Review time: 5 Days and 9 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

NLRC5 is a highly conserved member of NLRs and is involved in inflammation and immune responses by regulating various signaling pathways such as NF- κ B. It has been found that NLRC5 plays an important role in liver fibrosis, but its specific effect and



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possible mechanism remains to be fully elucidated. In this study, the authors investigated the role of NLRC5 in the activation and reversion of HSC induced by TGF- β and MDI, and its relationship with liver fibrosis is explored. Overall, the study is designed well. The results are very interesting. Too many figures, I suggest the authors can delete or combine some of the figure, to make the manuscript more simple. The manuscript requires an editing to correct some spelling mistakes.

INITIAL REVIEW OF THE MANUSCRIPT

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BPG Search:

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