

Reviewer1:

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 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.

Response: Thank you for your guidance. We have studied your comments carefully and revised our manuscript according to the comments. The figures have been arranged.

Reviewer2:

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

Response: Thanks for your supporting

Reviewer3:

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 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. Refernces are updated. Some minor language polishing should be checked and revised.

Response: Thanks for your suggestion. The figures have been moved to the end and the manuscript is revised.