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PEER-REVIEW REPORT

Name of journal: *World Journal of Hepatology*

Manuscript NO: 88596

Title: Subcellular distribution of prohibitin 1 in rat liver during liver regeneration and its cellular implication

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05455405

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Professor, Surgeon, Surgical Oncologist

Reviewer's Country/Territory: Russia

Author's Country/Territory: China

Manuscript submission date: 2023-09-30

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-10-14 10:52

Reviewer performed review: 2023-10-20 20:51

Review time: 6 Days and 9 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Dear editors and authors of the manuscript, it should be noted that the data of a good fundamental research are reflected. An active search is underway for biological molecules involved in the processes of liver regeneration after resection of large volumes. The design of the study is described in detail, reproducible. The obtained results make a significant scientific contribution to the described problem of liver regeneration, since the role of Phb1 in the cell cycle in particular and the processes of liver regeneration in general is evaluated. The discussion supports the obtained results with correctly selected relevant literature data. The figures are qualitative and informative. In conclusion, I also recommend that the authors pay attention to these articles: 1. "Hadjittofi C, Ferretti M, Martin J, Harper S, Huguet E. Liver regeneration biology: Implications for liver tumour therapies. World J Clin Oncol 2021; 12(12): 1101-1156", and also 2. "Kiseleva YV, Antonyan SZ, Zharikova TS, Tupikin KA, Kalinin DV, Zharikov YO. Molecular pathways of liver regeneration: A comprehensive review. World J Hepatol. 2021 Mar 27;13(3):270-290. doi: 10.4254/wjh.v13.i3.270. PMID: 33815672; PMCID: PMC8006075." and take into account the data of these articles in your manuscript, which will also



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enhance the scientific significance of your manuscript.