

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 75609

Title: RING finger and WD repeat domain 3 Regulates Proliferation and Metastasis through the Wnt/ β -catenin signalling pathways in Hepatocellular Carcinoma

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02719046

Position: Peer Reviewer

Academic degree: PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Tunisia

Author's Country/Territory: China

Manuscript submission date: 2022-02-07

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-02-07 07:26

Reviewer performed review: 2022-02-07 20:59

Review time: 13 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 Grade E: Do not publish
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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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Peer-reviewer statements	Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No
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SPECIFIC COMMENTS TO AUTHORS

The title reflects the main subject/hypothesis of the manuscript The abstract summarizes and reflects the work described in the manuscript The key words reflect the focus of the manuscript The manuscript adequately describes the background, present status and significance of the study The manuscript describes methods in adequate detail The manuscript interprets the findings adequately and appropriately, highlighting the key points concisely, clearly and logically The manuscript cites appropriately the latest, important and authoritative references in the introduction and discussion sections.

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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05424290

Position: Editorial Board

Academic degree: MBBS, MD

Professional title: Academic Research, Doctor, Professor

Reviewer's Country/Territory: India

Author's Country/Territory: China

Manuscript submission date: 2022-02-07

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-03-12 17:03

Reviewer performed review: 2022-03-20 13:27

Review time: 7 Days and 20 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
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SPECIFIC COMMENTS TO AUTHORS

Authors have demonstrated that RFWD3 expression is important in cell replication for DNA damage repair process. In HCC cell lines due to its increased function cells gain viability and it is directly related to TNM staging of tumor cells. By showing shRNAi cells which downregulated RFWD3 expression, they also showed decreased migration and metastasis of tumor cells in mice. Further on microarray analysis, they could demonstrate that by inhibiting RFWD3 expression through shRNAi cells, they could regulate Wnt/ β -catenin signaling pathways by either downregulation/upregulation of certain genes. In HCC we moving forward to molecular targeted therapies not only for cure but also for containment of malignant cells and preventing migration and metastasis. The results open a research area for exploration of RFWD3 expression in HCC cells. The results should be taken with caution as these molecular targets can also affect replication and DNA damage repair process in normal hepatocytes as well as other cells of body.