



PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 70601

Title: Knockdown of DEAD-box 51 inhibits tumor growth of esophageal squamous cell carcinoma via the PI3K/ AKT pathway

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05750374

Position: Peer Reviewer

Academic degree: PharmD, PhD

Professional title: Full Professor, Professor, Senior Scientist

Reviewer's Country/Territory: India

Author's Country/Territory: China

Manuscript submission date: 2021-08-08

Reviewer chosen by: Ze-Mao Gong

Reviewer accepted review: 2021-09-21 05:04

Reviewer performed review: 2021-09-30 12:45

Review time: 9 Days and 7 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 Grade E: Do not publish
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input 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 checked="" type="checkbox"/> Accept (High priority) <input 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



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

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
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SPECIFIC COMMENTS TO AUTHORS

This research work is good and very interesting. This work is technically sound. The statistical approach is optimal for this data set. This work has been tailored with available literature. I appreciate your work.



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Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05275449

Position: Peer Reviewer

Academic degree: MD, MSc

Professional title: Academic Research, Attending Doctor, Chief Physician, Doctor, Senior Researcher, Statistician

Reviewer's Country/Territory: Canada

Author's Country/Territory: China

Manuscript submission date: 2021-08-08

Reviewer chosen by: Xin Liu (Online Science Editor)

Reviewer accepted review: 2021-10-15 05:29

Reviewer performed review: 2021-10-17 01:34

Review time: 1 Day 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
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 type="checkbox"/> Accept (General priority) <input checked="" 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

Thank you for the invitation to review the manuscript titled, “Knockdown of DDX51 inhibited tumor growth of esophageal squamous cell carcinoma via PI3K/AKT pathway.” The authors investigated the effect of DDX51 on the behavior of esophageal squamous cell carcinoma (ESCC). The results suggest that DDX51 assists malignancy proliferation. Moreover, DDX51 knockdown inhibited ESCC proliferation and aided programmed cell death. The article is robust, readable, and introduces a potential breakthrough in understanding ESCC pathophysiology and a therapeutic target. The paper also presents knowledge that was previously only studied in lung and breast cancer. I suggest ACCEPTANCE for publication after a few MINOR REVISIONS below.

A. Introduction 1. The last two sentences of the introduction section discuss the results of the present study. Authors might need to place these sentences in the discussion section and not in the introduction section. B. Statistical analysis 2. Authors stated that they used a student’s t-test and one-way analysis of variance (i.e., parametric tests). Was the normality test done? Depending on the normality, statistical tests might change (parametric versus non-parametric tests). Can authors justify that all data satisfied parametric tests’ assumptions? [Note: A single brief statement will address this comment]. C. Typos 3. The AIM statement in the ABSTRACT: There are double spaces between “biological” and “behavior.” Kindly delete one space. 4. The CONCLUSION statement of the ABSTRACT: Kindly add an “s” after the word “suggest.” (i.e., a simple present tense) 5. RESULTS: The last sentence of the section titled “DDX51 was highly expressed in ESCC tumor tissues and associated a poor prognosis in



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ESCC patients:" Did authors mean "these results" instead of "theses results?"



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Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03270518

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Assistant Professor, Professor, Surgeon, Teacher

Reviewer's Country/Territory: Italy

Author's Country/Territory: China

Manuscript submission date: 2021-08-08

Reviewer chosen by: Xin Liu (Online Science Editor)

Reviewer accepted review: 2021-10-15 12:17

Reviewer performed review: 2021-10-20 12:56

Review time: 5 Days

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
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
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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
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SPECIFIC COMMENTS TO AUTHORS

Very interesting work. Well conducted study, clearly exposed. Important results to be taken into account in clinical practice. Relevant discussion. Updated bibliography.