

## 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 Grade E: Do not publish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



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<b>Peer-reviewer statements</b>	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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**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

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<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

<b>Re-review</b>	[ <input checked="" type="checkbox"/> ] Yes [ <input type="checkbox"/> ] No
<b>Peer-reviewer statements</b>	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

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



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<b>Peer-reviewer statements</b>	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.