

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Oncology*

Manuscript NO: 73309

Title: KIF Y promotes proliferation, migration, and invasion of esophageal squamous cell carcinoma cells by activating EMT and β -catenin signaling

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03976790

Position: Editor-in-Chief

Academic degree: DSc, PhD

Professional title: Emeritus Professor

Reviewer's Country/Territory: France

Author's Country/Territory: China

Manuscript submission date: 2021-11-18

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-12-09 09:16

Reviewer performed review: 2021-12-13 08:29

Review time: 3 Days and 23 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 Grade E: Do not publish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 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

Little is known about the mechanism of squamous cell carcinoma of the esophagus. The kinesin superfamily (KIF) proteins that play a crucial role during mitosis and meiosis present various functions in tumor pathology. More particularly, KIFC3 plays a role in the positioning and integration of Golgi and apical transport in epithelial cells. This work concerns the study of the expression and the role of KIFC3 in the total progression of squamous cell carcinoma of the esophagus in order to provide elements of understanding of the mechanisms involved in this pathology. For this, the authors examined tumors from patients, cell lines from esophageal squamous cell carcinoma, tumor xenografts in mice. This article brings useful elements to the understanding of tumor progression in the case of esophageal squamous cell carcinoma but before considering its publication, I would make a few remarks concerning the manuscript. Page 6, Immunofluorescence: are there negative controls? How were the negative controls prepared (by omitting the first antibody or others)? Page 7, Immunohistochemistry: same remarks: are there negative controls? How were the negative controls prepared (by omitting the first antibody or others)? Who are the suppliers for the biotinylated secondary antibody and horseradish peroxidase)-conjugated streptavidin. Page 8, Results. "ESCC tissues and adjacent non-tumor tissues were collected from 32 patients with ESCC": how many males and females? what age ranges are the patients in? Page 20, figure 1 A: specify the color obtained for the tissues concerned; specify the value of the scale bar Page 23, figure 4 D: explain the picture; specify the color obtained for the cells detected by the Ki67 (or add these details in the materials and methods); add a scale bar to micrographs Page 24.

Figure 5: add a scale bar on the images of lines A and B. Page 25, figure 6 C: add a scale bar

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Reviewer's code: 05845322

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Chief Doctor, Surgeon

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2021-11-18

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Reviewer accepted review: 2021-12-16 00:32

Reviewer performed review: 2021-12-23 05:59

Review time: 7 Days and 5 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 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 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

Comments to the author I am grateful for the opportunity to review this interesting manuscript entitled: "KIFC3 promotes proliferation, migration and invasion in esophageal squamous cell carcinoma by activating EMT and β -catenin signaling". This report is very interesting because The significance of KIFC3 for ESCC was evaluated multidirectionally using IHC, lentiviruses transfection, western blotting and in vivo experiment. However, there are several problems which should be revised or reconsidered in your manuscript. Problem list was summarized as below. Minor Comments Page 7, Line 28 Please show the method of positive cell counting. Page 8, Line 8 You should show the background of 32 patients with ESCC and compare clinicopathological factors between KIFC3 positive group and negative group. Figure 1 C and D Please show negative control (normal cell?) in western blotting.