

PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Oncology

Manuscript NO: 46900

Title: Calponin 3 promotes invasion and drug resistance of colon cancer cells

Reviewer's code: 00073640

Reviewer's country: Slovenia

Science editor: Jin-Lei Wang

Reviewer accepted review: 2019-03-08 10:20

Reviewer performed review: 2019-03-11 12:06

Review time: 3 Days and 1 Hour

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The title/subject is interesting and topical, the manuscript is well structured and well written. The main focus of the manuscript was to evaluate potential role of calponin 3 (CNN3) in colon cancer metastasis. Authors performed most of the analyses on cell lines, on paraffin-embedded sections from archived sporadic colorectal tumors only

immunohistochemistry for CNN3 reaction was performed. To improve the manuscript I suggest the following: - To include more data about the samples in clinical samples and immunohistochemistry section - Please explain more exactly what are the tissue samples - biopsy specimens taken from colon or from other organs as well? What was the pathological diagnosis of samples - In World Health Organization (WHO) classification, a number of histologic variants of colorectal carcinomas are listed, such as mucinous, signet ring cell, medullary, micropapillary, serrated, cribriform comedo-type, adenosquamous, spindle cell, undifferentiated. It is known that some histological types of carcinomas have typical molecular pathology, therefore it is important to state the histological type of the samples - resection/biopsy, rectal/colon; sporadic/genetic; histological diagnose in the Table 1 there is only diferatiation/grade - this is not enough - How was extracellular mucin, MSI, p53 evaluated (you can add description as the legend below the Table 1) - Table 1 - "Clinical, pathological and molecular features according to CNN3 expression status " clinical, pathological and molecular features OF WHAT? Please improve. - Figure 4: please use histological terminology - authors wrote "The normal mucosa showed positive expression at the crypt bases (thick arrow) and faint to negative expression superficially (thin arrow). Note the negative tumor islets below the mucosa (arrow heads; A). Colon cancer showing negative expression (thick arrow) while the stroma showed positive expression (thin arrow) serving as internal positive control (B). Well differentiated colon cancer showing positive CNN3 expression (C). Poorly differentiated rectal cancer showing intense positive expression (D)." Were all tumors carcinomas or were there also adenomas? What was the histological type of poorly differentiated cancer? Page 11, line 277 : authors wrote CNN3 positive expression was not related to p53 stabilization in primary tumors. Please explain, how did you analyzed it.



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INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

BPG Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Oncology

Manuscript NO: 46900

Title: Calponin 3 promotes invasion and drug resistance of colon cancer cells

Reviewer's code: 00504486

Reviewer's country: South Korea

Science editor: Jin-Lei Wang

Reviewer accepted review: 2019-03-08 04:04

Reviewer performed review: 2019-03-15 00:33

Review time: 6 Days and 20 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
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<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
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			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The findings from this manuscript have an originality and nobility regarding a function of Calponin3 in cancer development. However, unfortunately we found that sentences in the Abstract were not smooth and some typo errors in other parts. They need to polish English in the manuscript. 1. When they described SW-480 cells, they mentioned

“primary colon cancer cell line” in 63 line. As mentioned in their manuscript, “primary” means “uncultured”. SW480 cells are described as colorectal adenocarcinoma. It makes confusion. Please rewrite this sentence. 2. In Fig2B, when ZO-1 protein level was examined, SW620 lane no expression of ZO-1 but SW620-Cont siRNA lane showed the expression of ZO-1. We expect that the two lanes show the same result. Please explain this result. If so, please rewrite in Fig.2B 3. Please correct “Vimentin” to ‘vimentin’ in the line 247 and “beta-catenin” to “beta-Catenin” in the line

INITIAL REVIEW OF THE MANUSCRIPT

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