

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 38094

Title: The total polysaccharides of Sijunzi decoction (TPSJ) attenuates TNF- α -induced damage of barrier function in Caco2 cells via NF- κ B-MLCK-MLC phosphorylation pathway

Reviewer's code: 02821831

Reviewer's country: Algeria

Science editor: Ze-Mao Gong

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Review time: 5 Days

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

In this study, the authors report the protective effects and a contribution to underlying mechanisms of total polysaccharides of the Sijunzi decoction (TPSJ) on the epithelial

barriers formed by monolayers of Caco-2 cells in the presence or absence of tumor necrosis factor α (TNF- α). The study is interesting and well presented. In Section Introduction; i think that the authors must explain and cite the works conducted by other teams indicating the probable involvement of inflammation in colorectal pathogenesis through Th17 cytokines and NO role (Rafa et al, 2017). In other hand, i suggest that the authors explain the role of pro-inflammatory cytokine in damage observed during inflammatory process in vivo (Toumi et al, 2014, Soufli et al, 2016) I suggest a minor revision

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

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

BPG Search:

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