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## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 51579

**Title:** NCAPD2/3 induces inflammation via the IKK/NF- $\kappa$ B pathway in ulcerative colitis

**Reviewer's code:** 02926997

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Associate Professor

**Reviewer's country:** Iran

**Author's country:** China

**Reviewer chosen by:** Artificial Intelligence Technique

**Reviewer accepted review:** 2019-09-24 06:06

**Reviewer performed review:** 2019-09-24 06:34

**Review time:** 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 type="checkbox"/> Grade B: Minor language	(High priority)	<input type="checkbox"/> Anonymous
<input 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 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 type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS

Dear Associate Editor, Thank you for sending me the article entitled “NCAPD2/3 induces inflammation via the IKK/NF-κB pathway in ulcerative colitis” for review. This cross sectional study compared the Levels of NCAPD2/3 in intestinal tissue between UC patients and control group. The result showed that NCAPD2 and NCAPD3 expression was significantly upregulated in UC patients. Moreover, IKK and NF-κB protein expression in the si-NCAPD2, si-NCAPD3 and si-NCAPD2+si-NCAPD3 groups was significantly decreased. The research concluded that NCAPD2/3 plays an important role in improving ulcerative colitis-induced inflammation induced via the IKK/NF-κB pathway. There are some comments as the followings: 1-The aim of study is expressed as: “To evaluate the role and underlying mechanisms of NCAPD2/3 in the development and progression of ulcerative colitis (UC).” This cross sectional design would only show the NCAPD2/3 correlation between UC intestinal tissue and healthy controls. It could not evaluate the development or progression of UC. 2- In the conclusion section is said: “NCAPD2/3 plays an important role in improving ulcerative colitis-induced inflammation induced via the IKK/NF-κB pathway.”. Again the design of study could not prove this fact. 3- There are some points regarding the UC selection criteria. Some of the UC patients’ exacerbations could be caused by CMV or C.difficile. There is no data regarding the characteristics of included UC patients. Were they treated with 5-ASA or biologics? Were they diagnosed for the first time? The treatment affects the inflammation in intestine.

#### **INITIAL REVIEW OF THE MANUSCRIPT**

##### ***Google Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism



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[ Y ] No

***BPG Search:***

[ ] The same title

[ ] Duplicate publication

[ ] Plagiarism

[ Y ] No

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 51579

**Title:** NCAPD2/3 induces inflammation via the IKK/NF- $\kappa$ B pathway in ulcerative colitis

**Reviewer's code:** 03474080

**Position:** Editorial Board

**Academic degree:** MD

**Professional title:** Associate Professor, Chairman

**Reviewer's country:** Turkey

**Author's country:** China

**Reviewer chosen by:** Artificial Intelligence Technique

**Reviewer accepted review:** 2019-09-23 10:38

**Reviewer performed review:** 2019-09-24 20:22

**Review time:** 1 Day and 9 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:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input 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 checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS

Dear Authors, I read your manuscript titled "NCAPD2/3 induces inflammation via the IKK/NF- $\kappa$ B pathway in ulcerative colitis". In this study, the expression level of NCAPD2/3 was evaluated in the intestinal tissue of the patients with ulcerative colitis. It was found that the expression of NCAPD2/3 increased in the mucosa of the ulcerative colitis compared with that of healthy control. after the knock-out of the NCAPD2/3, it was shown that the level of inflammatory cytokines decreased. At the same time, NF $\kappa$ B pathway that is the central point of inflammatory reactions, was suppressed after the NCAPD2/3 knock-out. Overall it is a globally good presented study with an interesting and novel topic. Abstract was well described and clear. Introduction was sufficient but, there were some deficiencies. The study is well designed and conducted. Methods are well described and clear. Conclusions are justifiable and prudent enough with some deficiencies. It can be acceptable for publication but still I have suggested some issues for revision; 1. In the introduction section, reasons for the study of NCAPD2/3 in the ulcerative colitis were not expressed clearly. need for the study was not clarified. It must be explained. 2. In the results section, (3.1 Clinical and Analysis), the sentence of "Based on these results, we inferred that NCAPD2/3 might play an important role in inducing UC development" must be removed, because this sentence contains interpretation. In the results, obtained results were given without interpretation. 3. In the discussion section, limitations and future directions were not mentioned. They must be briefly considered. 4. In the discussion section, the statements that were mentioned the association between NCAPD2/3, Nf $\kappa$ B pathway and ulcerative colitis include exact descisions, they may be softened.

#### **INITIAL REVIEW OF THE MANUSCRIPT**

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[ ] The same title



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☐ Duplicate publication

☐ Plagiarism

☐ Yes ☐ No

***BPG Search:***

☐ The same title

☐ Duplicate publication

☐ Plagiarism

☐ Yes ☐ No