

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 74878

Title: Alterations of autophagic and innate immune responses by the Crohn's disease-associated ATG16 Y mutation

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03931189

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Poland

Author's Country/Territory: Japan

Manuscript submission date: 2022-01-10

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-01-10 09:24

Reviewer performed review: 2022-01-21 15:36

Review time: 11 Days and 6 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 Grade E: Do not publish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 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
Conclusion	<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
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



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Peer-reviewer statements	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

I have only one remark: 1. In „Core tip” section the last sentence is: „ In this minireview article, we have summarized the immunopathogenesis of Crohn’s disease caused by this ATG16L1 variant.” This sentence may be confusing; the reader may understand that the ATG16L1 variant is the only one that causes the disease. I suggest modifying it.

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Title: Alterations of autophagic and innate immune responses by the Crohn's disease-associated ATG16 Y mutation

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05409392

Position: Editorial Board

Academic degree: PhD

Professional title: Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Japan

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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 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
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SPECIFIC COMMENTS TO AUTHORS

In this manuscript (74878), entitled “ATG16L1, a multifunctional protein involved in autophagy, innate immunity, and Crohn’s disease”, Okai et al. reviewed the important roles of ATG16L1 in induction of autophagy, regulation of innate immunity, and involvement in Crohn’s disease. Generally, the topic is interesting, this manuscript is easy to read, and the references are properly cited. Therefore, I only have several minor concerns which should be properly addressed before accepting for publication. Minor concerns: 1. The title should be modified, because “autophagy”, “innate immunity”, and “Crohn’s disease” are not parallel. 2. The section “MOLECULAR INTERACTION BETWEEN ATG16L1 AND NOD2 OR RIPK2” should be integrated into the section of “ATG16L1 AND INNATE IMMUNITY”. 3. The current figure summarizes the regulatory mechanisms of ATG16L1. It is better to prepare an additional table highlighting the physiological functions of ATG16L1.