

PEER-REVIEW REPORT

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Title: Role of autophagy in gastric carcinogenesis

Reviewer's code: 03727739

Position: Peer Reviewer

Academic degree: MD

Professional title: Attending Doctor, Doctor, Research Assistant, Teacher

Reviewer's Country/Territory: China

Author's Country/Territory: Greece

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Reviewer chosen by: AI Technique

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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 Grade E: Do not publish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 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

It is the reviewer's honor to read this manuscripts. Authors summarize the autophagic pathway regulated by the latest complex molecular signals. The writings and logics are excellent. My Concern is that the clinical application of GC potential preventive and therapeutic targets should be highlighted, because the two facts of interests: 1) H.pylori is one of the most frequent triggerings; 2) GC is the consequence of multi-stage pathological progress following "inflammation-cancer" chain. The minor revisions are thus needed as follows: (1) In addition to CagA- and VacA- induced mechanisms, autophagy by other virulent factors in Helicobacter pylori ought to be detailed if possible. (2) Apart from H.pylori infection and gastric cancer, the autophagy throughout the acknowledged "inflammation→precancerous lesions (atrophic gastritis, intestinal metaplasia, dysplasia)→gastric cancer" chain triggered by H.pylori should be fully described. For example, H.pylori associated atrophic gastritis has been identified as precancerous lesion which owns crucial therapeutic checkpoint clinically called "Irreversible point" (the abnormalty of gastric epithelial cells will be inevitably prone to canceration even after H.pylori eradication), Literatures for the intrinsic association between atrophic and autophagy ought to be cited.