Name of journal: World Journal of Gastroenterology
Manuscript NO: 90852
Title: Kinesin 26B is related to immune infiltration in gastric cancer-spotlight on cancer-associated fibroblasts crosslinking with M2-polarized macrophage to regulate the immunosuppression and metastasis
Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed
Peer review model: Single blind
Reviewer’s code: 00504545
Position: Peer Reviewer
Academic degree: MD, PhD
Professional title: Emeritus Professor
Reviewer’s Country/Territory: Spain
Author’s Country/Territory: China
Manuscript submission date: 2023-12-15
Reviewer chosen by: Jia-Ru Fan
Reviewer accepted review: 2024-02-09 07:13
Reviewer performed review: 2024-02-09 07:30
Review time: 1 Hour

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<td>[ ] Grade D: Fair</td>
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<td>[ ] Grade D: No novelty</td>
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**SPECIFIC COMMENTS TO AUTHORS**
The authors have shown that KIF26B was significantly overexpressed in cells and tissues of GC, and KIF26B (up-regulated) was related to GC metastasis and prognosis. According to in vivo experiments, KIF26B promoted tumor formation and metastasis of GC. In addition, KIF26B expression is positively associated with CAFs’ degree of infiltration. Moreover, CAFs could regulate M2 type polarization of macrophages, affecting GC cells’ migration, angiogenesis, invasion, and EMT process. Conclusion: KIF26B regulates M2 polarization of macrophage through activating CAFs, thereby regulating the occurrence and metastasis of GC. They found that high KIF26B expression could promote CAFs activation, thereby mediating macrophage M2 polarization and affecting the occurrence, lung metastasis, and abdominal metastasis of GC. This study provides useful insights for exploring new mechanisms of GC and delaying its progression.
Name of journal: World Journal of Gastroenterology

Manuscript NO: 90852

Title: Kinesin 26B is related to immune infiltration in gastric cancer-spotlight on cancer-associated fibroblasts crosslinking with M2-polarized macrophage to regulate the immunosuppression and metastasis

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer’s code: 05774393

Position: Peer Reviewer

Academic degree: MD

Professional title: Assistant Professor

Reviewer’s Country/Territory: Egypt

Author’s Country/Territory: China

Manuscript submission date: 2023-12-15

Reviewer chosen by: Jia-Ru Fan

Reviewer accepted review: 2024-02-09 18:29

Reviewer performed review: 2024-02-09 19:20

Review time: 1 Hour

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<td>Creativity or innovation of this manuscript</td>
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<td>Scientific significance of the conclusion in this manuscript</td>
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<td>Conclusion</td>
<td>[ Y] Accept (High priority) [ ] Accept (General priority)</td>
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<td>Re-review</td>
<td>[ ] Yes [ Y] No</td>
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<td>Peer-Review: [ Y] Anonymous [ ] Onymous</td>
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<td>Conflicts-of-Interest:</td>
<td>[ ] Yes [ Y] No</td>
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**SPECIFIC COMMENTS TO AUTHORS**

In acknowledgement you write no while all the work is done by pathologist or technition as both authors are surgeons In material and method you did not mention the time span of the collected cases and sample size in immunostaining once you said patients and again you write mice?? You did not mention Ncadherin while you mentioned it in the results You did not mention how you assessed the immunostaining You did not mention that you did survival analysis despite you mentioned that in the results Comments on figures need more clarification if the marker is expressed in tumor or caf, cytoplasmic or what?? Is this sections from human??
PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 90852

Title: Kinesin 26B is related to immune infiltration in gastric cancer-spotlight on cancer-associated fibroblasts crosslinking with M2-polarized macrophage to regulate the immunosuppression and metastasis

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer’s code: 05755618

Position: Peer Reviewer

Academic degree: FACP, MD

Professional title: Doctor

Reviewer’s Country/Territory: Japan

Author’s Country/Territory: China

Manuscript submission date: 2023-12-15

Reviewer chosen by: Jia-Ru Fan

Reviewer accepted review: 2024-02-09 06:42

Reviewer performed review: 2024-02-13 05:13

Review time: 3 Days and 22 Hours

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<td>This fundamental study has presented the role of KIF26B in the progression of gastric cancer. They found it is well related to CAFs, and CAFs controlled the polarization of macrophages with migration, angiogenesis, and invasion using nude mice. This is an attractive essential study to apply to clinical practice. 1. The title was OK. 2. The abstract is fine. 3. The keywords are OK. 4. The introduction is okay. 5. The authors should present the experimental methods as figures in the methods. The authors should describe how to treat nude mice more precisely (e.g., temperature, how to feed and sacrifice). 6. The result was acceptable. 7. The discussion is pleasing. 8. The result is acceptable. 9 The references are OK.</td>
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Title: Kinesin 26B is related to immune infiltration in gastric cancer-spotlight on cancer-associated fibroblasts crosslinking with M2-polarized macrophage to regulate the immunosuppression and metastasis

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer’s code: 02941583

Position: Peer Reviewer

Academic degree: DSc, MD, PhD

Professional title: Associate Professor, Chief Doctor

Reviewer’s Country/Territory: Hungary

Author’s Country/Territory: China

Manuscript submission date: 2023-12-15

Reviewer chosen by: Jia-Ru Fan

Reviewer accepted review: 2024-02-10 03:35

Reviewer performed review: 2024-02-13 18:36

Review time: 3 Days and 15 Hours

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**SPECIFIC COMMENTS TO AUTHORS**

This original study aims to investigate whether KIF26B regulates immune suppression and metastasis in gastric cancer by influencing cancer-associated fibroblasts and related immune infiltration. The study was well designed; the techniques used were modern and adequate, and the results were clear. The images and graphs help understand the results. However, the manuscript requires some corrections to enhance its strength. It is necessary to discuss a more comprehensive overview of the role of KIF proteins in cancer progression. What is its role in other cancer types and other tumor types (lymphomas, sarcomas, etc.)? KIF26B is just a piece of a larger mosaic. It would be helpful to create a figure that schematically displays the molecular interactions in which KIF26B is involved during cancer progression. Typos, incorrect terminologies, such as microphages, or microscope (inverted) (which is simply „inverted microscope“) must be corrected. Present the number of parallel experiments. Present the number of mice
involved. Original WB images must be uploaded, as the article cannot be accepted without them. Table 1 must be a supplementary table. It is recommended to make a major revision.
## RE-REVIEW REPORT OF REVISED MANUSCRIPT

**Name of journal:** World Journal of Gastroenterology  
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**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed  
**Peer-review model:** Single blind  
**Reviewer’s code:** 05755618  
**Position:** Peer Reviewer  
**Academic degree:** FACP, MD  
**Professional title:** Doctor  
**Reviewer’s Country/Territory:** Japan  
**Author’s Country/Territory:** China  
**Manuscript submission date:** 2023-12-15  
**Reviewer chosen by:** Li Li  
**Reviewer accepted review:** 2024-03-22 05:03  
**Reviewer performed review:** 2024-03-22 12:28  
**Review time:** 7 Hours

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**Conclusion**  
- [ ] Accept (High priority)  
- [ ] Accept (General priority)  
- [ ] Minor revision  
- [ ] Major revision  
- [ ] Rejection
### SPECIFIC COMMENTS TO AUTHORS

The authors have revised the manuscript and made improvements.

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