



PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Oncology*

Manuscript NO: 78292

Title: The potential role of long noncoding RNA R -881 2.5 as a novel biomarker and therapeutic target of colorectal cancer

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05524138

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Chief Doctor, Consultant Physician-Scientist

Reviewer's Country/Territory: Kazakhstan

Author's Country/Territory: China

Manuscript submission date: 2022-06-25

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-06-30 01:54

Reviewer performed review: 2022-06-30 02:38

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" 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 Grade E: Do not publish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 checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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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

No comments



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Reviewer's code: 03805255

Position: Peer Reviewer

Academic degree: PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Serbia

Author's Country/Territory: China

Manuscript submission date: 2022-06-25

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-06-29 21:58

Reviewer performed review: 2022-07-09 23:44

Review time: 10 Days and 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
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SPECIFIC COMMENTS TO AUTHORS

Dear authors Your manuscript „The potential role of long noncoding RNA RP5-881L22.5 as a novel biomarker and therapeutic target of colorectal cancer“ is interesting and intriguing. It belongs to the new wave of ideas, and retrospectively tested importance of long noncoding RNA RP5-881L22.5. The manuscript is well organized, relatively well written, clear with appropriate tables and figures and proper citation. Methodology is well described, and results were clearly presented. It will be interesting to comment lack of correlation with the T stage and lack of difference in survival between high and low groups according to RP5-881L22.5 expression levels. There is not described limitation of the study.



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Reviewer's code: 05775699

Position: Peer Reviewer

Academic degree:

Professional title:

Reviewer's Country/Territory: Reviewer_Country

Author's Country/Territory: China

Manuscript submission date: 2022-06-25

Reviewer chosen by: Dong-Mei Wang

Reviewer accepted review: 2022-08-16 19:25

Reviewer performed review: 2022-08-25 06:43

Review time: 8 Days and 11 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 type="checkbox"/> Accept (General priority) <input checked="" 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 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

This is a well written and presented manuscript. All the component sections are well drafted. The statistical analysis is appropriate and result presentation in prose and figures are acceptable. Article citations are current and relevant to the topic. Key findings in this study are that long noncoding RNA RP5-881L22.5 (lncRNA RP5-881L22.5 is expressed more in digestive system cancers namely gastric, oesophageal and colorectal cancers (CRC) compared to normal tissues. Among the CRC cases, some had differential higher expression than others and this influenced hosts' tumour immune response parameters inversely whereas cancer cell invasiveness was directly correlated to marker expression. Thus the study suggests from its hypothesis that lncRNA RP5-881L22.5 could play a remarkable role in CRC carcinogenesis and progression. From the submission, the authors hypothesize that RNA RP5-881L22.5 has prospects of being a drug target in combating immune checkpoints mounted by tumour cells. Other possible pathogenetic roles may become clear with additional studies. These conclusions are well supported by the data from this study. However, the following concerns would require attention. 1. Authors need to provide keywords for the study. 2. Acronyms need to be stated in full meaning when first used to make reading and understanding smooth and easy. One that may be easily overlooked by the authors is in the first sentence of the third paragraph of the introduction section "200 nt". This may not be an abbreviation, either way, it needs to be revised. 3. Authors should please state in the result section what proportion of CRC tissues had high and low RNA RP5-881L22.5 respectively. This will strengthen their position on increased marker expression in CRC and will make it easier for future researchers to compare with their own observations. 4. Still on the



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result, no difference in survival was found between high and low expressing tumors. However, a subset of tumours with advanced stage showed better survival despite high marker expression. What could explain this? 5. The citation in the result section needs not be there. Its absence does not alter the information provided. Authors to consider removing it and recasting the sentence. 6. Authors to please revisit the reference section. It needs to be organized to remove repetitions