

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Oncology*

Manuscript NO: 89036

Title: MicroRNA-298 determines the radio-resistance of colorectal cancer cells by directly targeting human dual-specificity tyrosine(Y)-regulated kinase 1A

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06540839

Position: Peer Reviewer

Academic degree: PhD

Professional title: Doctor, Researcher

Reviewer's Country/Territory: Germany

Author's Country/Territory: China

Manuscript submission date: 2023-12-05

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-12-07 23:58

Reviewer performed review: 2023-12-12 08:43

Review time: 4 Days and 8 Hours

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 Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
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
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

SPECIFIC COMMENTS TO AUTHORS

In this study, the authors discussed the involvement of miR-298 in radio-resistance and revealed that it modulates radio-resistance in CRC cells by targeting DYRK1A. The design of this study is very well, and the results are interesting. Comments: 1. A minor language editing is required. Some minor language polishing should be corrected. 2. Manuscript should be edited according to the journal's guidelines. Results are discussed with updated references. 3. The authors performed statistics on other Western Blot results, but missing for the figure 5E.

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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06540748

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor, Research Associate

Reviewer's Country/Territory: South Korea

Author's Country/Territory: China

Manuscript submission date: 2023-12-05

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-12-07 01:58

Reviewer performed review: 2023-12-15 05:46

Review time: 8 Days and 3 Hours

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
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
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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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	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This study is very interesting. The authors proposed to elucidate the role played by miR-298 in CRC radio-resistance. The figures help the readers to make a more understanding of the study. The whole manuscript is well drafted; however, some concerns have been noted including: 1. The manuscript required a minor revision, both for the language and the format. 2. The author should compare the protein expression of 53BP1 and DYRK1A in NC group, mimic group, and mimic+pcDNA- DYRK1A group under 5-cy treatment conditions.