

PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Oncology

Manuscript NO: 67060

Title: Genome-wide CRISPR-Cas9 screening identifies HIF-1a-mediated CBX8 promotes pancreatic cancer progression via IR / AKT Axis.

Reviewer's code: 03468910

Position: Editorial Board

Academic degree: PhD

Professional title: Assistant Professor, Surgeon

Reviewer's Country/Territory: Italy

Author's Country/Territory: China

Manuscript submission date: 2021-04-14

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-04-28 07:45

Reviewer performed review: 2021-04-29 12:13

Review time: 1 Day and 4 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 Grade E: Do not publish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 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
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

The topic of this manuscript falls within the scope of World Journal of Gastroenterology. Chrombox 8 (CBX8) is upregulated in pancreatic tumor tissues and shown to drive pancreatic cancer cells proliferation. higher expression of CBX8 is correlated with worse outcomes of pancreatic cancer patients. CBX8 is a promising therapeutic target for pancreatic cancer patients. The Authors demonstrated that hypoxia-inducible factors (HIF-1a) induce CBX8 transcription by combining with the promoter of CBX8. CBX8 is a key gene which is regulated by HIF-1a, and could IRS1/AKT pathway. CBX8 maybe a promising therapeutic strategy for pancreatic cancer. Introduction is good. Method and Materials are well explained. Discussion sound well. Complete the references. The manuscript is interesting for surgeons and oncologists.