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

<table>
<thead>
<tr>
<th>Scientific quality</th>
<th>[ ] Grade A: Excellent</th>
<th>[ Y] Grade B: Very good</th>
<th>[ ] Grade C: Good</th>
<th>[ ] Grade D: Fair</th>
<th>[ ] Grade E: Do not publish</th>
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<tbody>
<tr>
<td>Language quality</td>
<td>[ Y] Grade A: Priority publishing</td>
<td>[ ] Grade B: Minor language polishing</td>
<td>[ ] Grade C: A great deal of language polishing</td>
<td>[ ] Grade D: Rejection</td>
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<td>Conclusion</td>
<td>[ ] Accept (High priority)</td>
<td>[ Y] Accept (General priority)</td>
<td>[ ] Minor revision</td>
<td>[ ] Major revision</td>
<td>[ ] Rejection</td>
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<td>Re-review</td>
<td>[ ] Yes</td>
<td>[ Y] No</td>
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<td>Peer-review statements</td>
<td>Peer-Review: [ Y] Anonymous</td>
<td>[ ] Onymous</td>
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<td>Conflicts-of-Interest</td>
<td>[ ] Yes</td>
<td>[ Y] No</td>
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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.