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Flat C, 23/F., Lucky Plaza,  
315-321 Lockhart Road, Wan Chai, Hong Kong, China

## ESPS Peer-review Report

**Name of Journal:** World Journal of Gastroenterology

**ESPS Manuscript NO:** 9660

**Title:** Mechanisms of the regulation of PFKFB expression in pancreatic and gastric cancer cells

**Reviewer code:** 02492914

**Science editor:** Qi, Yuan

**Date sent for review:** 2014-02-22 22:14

**Date reviewed:** 2014-02-27 08:59

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B (Very good)	<input type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)		BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

## COMMENTS TO AUTHORS

The authors reported that PFKFB enzymes play a significant role in the regulation of glycolysis and cancer growth by inducing cell proliferation and surviving. The expression of PFKFB-3 and PFKFB-4 is increased in malignant tumors and strongly induced in various cancer cell lines including pancreatic and gastric cells via a HIF-dependent mechanism. However, the research is not novel enough to be published in this journal. There are major limitations to the study: 1. The related work has been published and only a few new points are added; 2. The authors introduced the detailed expression of PFKFB-4 in various cancers, adding a paragraph to describe the expression of other PFKFB in other cancers would be helpful for the readers. 3. The authors describe the expression of different PFKFB in human gastric malignant tumors, but the expression of different PFKFB in human pancreatic cancers is missing. 4. The conclusion: Moreover, the hypoxia responsiveness of PFKFB-3 and PFKFB-4 mRNAs expression in pancreatic and gastric cancer cell lines is regulated by the HIF transcription complex like VEGF and Glut1 genes and correlate with the increased level of HIF-1 protein. However, data are inadequate to support this conclusion. 5. For figure 2 and the corresponding results section, the authors should add the detailed ratio and P value to make readers understood easily. 6. The authors should check the misspelled words carefully, e.g. 5'-regulatory region.



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## ESPS Peer-review Report

**Name of Journal:** World Journal of Gastroenterology

**ESPS Manuscript NO:** 9660

**Title:** Mechanisms of the regulation of PFKFB expression in pancreatic and gastric cancer cells

**Reviewer code:** 02528717

**Science editor:** Qi, Yuan

**Date sent for review:** 2014-02-22 22:14

**Date reviewed:** 2014-03-03 12:43

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B (Very good)	<input type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input checked="" type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C (Good)	<input checked="" type="checkbox"/> Grade C: a great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)		BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

## COMMENTS TO AUTHORS

Generally this is a good paper about PFKFB expression in gastric and pancreatic cancer. However there are some points requiring correction 1-Paper must be presented with a more clear and understandable form 2-Tables may be useful for readers to understand this biology 3-There are many grammatic and typographic errors and paper must be reviewed and these mistakes must be corrected