

ESPS Peer-review Report

Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 10302

Title: PBX3 promotes migration and invasion of human colorectal cancer cells via activation of MAPK/ERK signaling pathway

Reviewer code: 00077679

Science editor: Yuan Qi

Date sent for review: 2014-03-26 21:03

Date reviewed: 2014-03-31 16:25

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 checked="" type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input type="checkbox"/> High priority for publication
<input checked="" 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)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

COMMENTS TO AUTHORS

This article by Han H et al. reported "PBX3 promotes migration and invasion of human colorectal cancer cells via activation of MAPK/ERK signaling pathway". They reported that PBX3 increased invasion and migration in colorectal cancer cells via MAPK/ERK signaling pathway. This article shows sufficient quality to publish in WJG, but before publishing the authors need to add some data. General comments: The issue is only one. The authors used only colorectal cancer cells. We want to know how about in other cancer cells. Minor point: 1) Page 3, Line 2 from the bottom: Is mir-181 miR-181? 2) Page 4, Line 16: CO2 should be CO₂. 3) Page 4, Line 16: incubator is not necessary 4) Page 4, Line 19: are should be were. 5) Page 5, Line 9 from the bottom: (Invitrogen, Carlsbad, CA) should be (Invitrogen). 6) Page 6, Line 5: Add City name in Corning. 7) Page 6, Line 8: No need Wetzlar, Germany again. 8) Page 6, Line 15: 107 cells should be 10⁷ cells. 9) Page 6, Line 4: from the bottom: No need Valencia, CA again. 10) Page 7, Line 9: Add City and State name in Millipore. 11) Page 7, Line 9: Add City and State name in Epitomics. 12) Page 7, Line 12: Add City name in cwBiotech. 13) Page 7, Line 14: Remove USA. 14) Page 7, Line 5 from the bottom: t in t-test should be written by Italic style. 15) Page 10, Line 6 from the bottom: Fig. 2B should be Fig. 4B ? 16) Page 10, Line 4 from the bottom: phosphor-ERK1/2 should be phosphor-ERK1/2. 17) Page 10, Line 3 from the bottom: phosphor-ERK1/2 should be phosphor-ERK1/2. 18) Page 10, Line 1 from the bottom: Fig. 4B should be Fig. 4C ? 19) Page 16, Line 9 from the bottom: Expression of what? Q-PCR? If so, write that. 20) Fig 1A: show bp and kDa. 21) Fig 1A: The intensity of actin is not same. Please load the same amount of proteins samples. 22) Fig 2A: Lentivirus Control should be Lentivirus control.

ESPS Peer-review Report

Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 10302

Title: PBX3 promotes migration and invasion of human colorectal cancer cells via activation of MAPK/ERK signaling pathway

Reviewer code: 02908153

Science editor: Yuan Qi

Date sent for review: 2014-03-26 21:03

Date reviewed: 2014-05-03 17:11

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B (Very good)	<input checked="" 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	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	language polishing	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

Reviewer Dr. zhang: The current manuscript addresses the role of PBX3 in colorectal cancer. This manuscript suggests a pivotal role of PBX3 in cell cycle migration and invasion. Human data suggest that high levels of PBX3 correlate with node invasion, distant metastasis, advanced TNM stages and a poor overall survival of patients. Further analysis suggest that the underlying mechanisms involves activation of MAPK/ERK signaling pathway. The experiments performed are systematic and the results presented here seem significant and interesting. The paper is well organized and written, which determines it available to publish in WJG. However, the minor revision should be performed: 1. The manuscript needs to be revised by a native speaker. For example: (1)first line of page 3: Colorectal cancer (CRC) is third most common type f cancer. (2)ninth line of page 3: have been reported to play an important role in tumor growth. 2. In the result part, we found Figure 1A was performed by reverse transcription-PCR. However, this experiment was not described. 3.Table 1, you should give us the range of the PBX3 expression. Tumor stage should be T1-T4.