

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Stem Cells

**Manuscript NO:** 38632

**Title:** NFkappa B Promotes the Stem-like Properties of Leukemia Cells by Activation of LIN28B

**Reviewer's code:** 00609371

**Reviewer's country:** United States

**Science editor:** Jin-Lei Wang

**Date sent for review:** 2018-03-06

**Date reviewed:** 2018-03-07

**Review time:** 22 Hours

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	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"/> The same title	<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"/> Duplicate publication	<input type="checkbox"/> Rejection
<input checked="" type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

## COMMENTS TO AUTHORS

The major concerns are: 1)both bortezomib and MG-132 are fairly broad spectrum proteasome inhibitors. for example, MG-132 can activate c-Jun N-terminal kinase (JNK1), which initiates apoptosis. therefore, these inhibitors are not specific enough to support the conclusion. 2)Why overexpression of NF-kB in HEK393T (Human embryonic kidney cells), instead of in LSC, which might employ completely different regulatory mechanism?

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**Name of journal:** World Journal of Stem Cells

**Manuscript NO:** 38632

**Title:** NFkappa B Promotes the Stem-like Properties of Leukemia Cells by Activation of LIN28B

**Reviewer's code:** 02446101

**Reviewer's country:** China

**Science editor:** Jin-Lei Wang

**Date sent for review:** 2018-03-06

**Date reviewed:** 2018-03-07

**Review time:** 1 Day

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> [ Y] Accept
<input type="checkbox"/> [ Y] Grade B: Very good	<input type="checkbox"/> [ Y] Grade B: Minor language polishing	<input type="checkbox"/> [ ] The same title	<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"/> [ ] Duplicate publication	<input type="checkbox"/> [ ] Rejection
<input type="checkbox"/> [ ] Grade D: Fair	<input type="checkbox"/> [ ] Grade D: Rejected	<input type="checkbox"/> [ Y] No	<input type="checkbox"/> [ ] Minor revision
<input type="checkbox"/> [ ] Grade E: Poor		BPG Search:	<input type="checkbox"/> [ ] Major revision
		<input type="checkbox"/> [ ] The same title	
		<input type="checkbox"/> [ ] Duplicate publication	
		<input type="checkbox"/> [ ] Plagiarism	
		<input type="checkbox"/> [ Y] No	

## COMMENTS TO AUTHORS

The authors investigated the relationship of NF- $\kappa$ B activity and LIN28B expression and their roles in leukemia stem cell (LSC)-like properties. The results show a regulatory signaling, NF- $\kappa$ B/LIN28B, which is important for the maintenance of leukemia stem cell-like properties and it might represent an attractive therapeutic target for effective treatment of AML disease. This is a interesting and useful paper. It really provide some important information to the readers. So, acceptance should be recommended.

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Stem Cells

**Manuscript NO:** 38632

**Title:** NFkappa B Promotes the Stem-like Properties of Leukemia Cells by Activation of LIN28B

**Reviewer's code:** 03478635

**Reviewer's country:** Japan

**Science editor:** Jin-Lei Wang

**Date sent for review:** 2018-03-06

**Date reviewed:** 2018-03-08

**Review time:** 1 Day

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	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"/> The same title	<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"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input type="checkbox"/> No	

## COMMENTS TO AUTHORS

The manuscript describes about the stem-cell like properties of leukemia cells by activation of LIN28B. The Trypan Blue Exclusion method for Colony formation assay and serial replating assay should be described more in detail to indicate the cell numbers. The increase in LIN28B mRNA by transfection of pEGFP-LIN28B shown in figure 4B should be explained before the description of the results showing the colony number increase in LIN28 overexpressed cells compared to MG-132-treated cells. Colony number change in LIN28 overexpressed cells may be shown.