

ESPS Peer-review Report

Name of Journal: World Journal of Biological Chemistry

ESPS Manuscript NO: 5062

Title: Cathepsins mediates tumor metastasis

Reviewer code: 00202486

Science editor: Qi, Yuan

Date sent for review: 2013-08-13 13:59

Date reviewed: 2013-08-22 05:34

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input checked="" type="checkbox"/> Grade A (Excellent)	<input checked="" 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)	<input type="checkbox"/> Grade D: rejected	BPG Search:	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

COMMENTS TO AUTHORS

The authors reviewed the role of various Cathepsins in cancer. General Comments: 1. Overall, the review article is well written and very organized. The table provided in the review is a nice summary of the role of Cathepsins in cancer. 2. The article contains information for various Cathepsins. However, the majority of the review focuses on Cathepsin B, which was already extensively reviewed by Gondi et al. in January of this year. In addition, there are not many recent references cited in this review. There are several recent manuscripts published that focus on the role of other Cathepsins in cancer (late 2012 - 2013). This review would be much stronger if the authors include some of this more recent information. 3. Since autophagy eventually use lysosomes as the final destination to degrade the intracellular/extracellular contents, it will be nice to discuss the relationship of the increased cathepsin activity and autophagy observed in the high metastasis cancers. Whether autophagy activity is also higher in these cancers. It has been reported that autophagy can also degrade collagen and thus it will be nice to add a session to discuss the possible relationship of cathepsin and autophagy that the authors have been discussed. 4. The title should be changed to "Cathepsins Mediate Tumor Metastasis".

ESPS Peer-review Report

Name of Journal: World Journal of Biological Chemistry

ESPS Manuscript NO: 5062

Title: Cathepsins mediates tumor metastasis

Reviewer code: 00211901

Science editor: Qi, Yuan

Date sent for review: 2013-08-13 13:59

Date reviewed: 2013-08-22 23:34

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	BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> Existed	<input checked="" type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

COMMENTS TO AUTHORS

It would be better if authors could revise their manuscript as following: 1) for part 1. cathepsins family and their function: summarizing this part and expressing it in a table would be a lot easier for readers to understand and a small paragraph of description may be needed to highlight the differences of sub-types of cathepsins. 2) for part 2. cathepsins mediate cancer metastasis: Making re-arrangement of subtitles in the order of the processes of tumor invasion, for example, moving the part 2.5 before part 2.2.

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Name of Journal: World Journal of Biological Chemistry

ESPS Manuscript NO: 5062

Title: Cathepsins mediates tumor metastasis

Reviewer code: 00211905

Science editor: Qi, Yuan

Date sent for review: 2013-08-13 13:59

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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
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<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

COMMENTS TO AUTHORS

ESPS Manuscript NO: 5062 In this review, Tan et al. described a role of cathepsin family, especially in the tumor metastasis and invasion. Although authors well explained the function of cathepsins, this review is needed minor revision before acceptance. Major comments: 1) This review is a bit unreadable though each cathepsin is explained in detail. Authors should show Table 1 in the page 4, for example, "The cathepsin family consists of cathepsin A, B, C, (Table 1).", for supporting readers to refer. 2) The conclusion or expert opinions should be included as the last section. 3) Perspective concerning treatment for cancer patients by targeting of cathepsins may make this review much better.