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ESPS Peer-review Report
Name of Journal: World Journal of Biological Chemistry
ESPS Manuscript NO: 7485
Title: Endoglin in liver fibrogenesis – Bridging basic science and clinical practice
Reviewer code: 00289741
Science editor: Qi, Yuan
Date sent for review: 2013-11-21 20:26
Date reviewed: 2013-12-01 04:23

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

COMMENTS TO AUTHORS

The manuscript by Meurer et al provides a comprehensive revision of the multiple molecular component and regulatory pathways involved on Endoglin function, its involvement in human diseases and current experimental models. This is a formidable task that has been nicely accomplished by the authors. Therefore, the review should be of great interest for a wide spectrum of investigators examining cell signaling associated to TGF-Beta.

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ESPS Peer-review Report
Name of Journal: World Journal of Biological Chemistry
ESPS Manuscript NO: 7485
Title: Endoglin in liver fibrogenesis – Bridging basic science and clinical practice
Reviewer code: 00289699
Science editor: Qi, Yuan
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CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
[Y] Grade A (Excellent)	[Y] Grade A: Priority Publishing	Google Search:	[Y] Accept
[ ] Grade B (Very good)	[ ] Grade B: minor language polishing	[ ] Existed	[ ] High priority for publication
[ ] Grade C (Good)	[ ] Grade C: a great deal of language polishing	[ ] No records	
[ ] Grade D (Fair)		BPG Search:	[ ]Rejection
[ ] Grade E (Poor)	[ ] Grade D: rejected	[ ] Existed	[ ] Minor revision
		[ ] No records	[ ] Major revision

COMMENTS TO AUTHORS
Although many aspects of endoglin have extensively been reviewed by others, the authors provide a concise overview of the current understanding of this protein. Overall the authors objectively and in a balanced manner present the results from the field. A nice addition to other reviews is the emphasis on the roles of endoglin in liver fibrogenesis.

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ESPS Peer-review Report
Name of Journal: World Journal of Biological Chemistry
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Title: Endoglin in liver fibrogenesis – Bridging basic science and clinical practice
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CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
[Y] Grade A (Excellent)	[Y] Grade A: Priority Publishing	Google Search:	[ ] Accept
[ ] Grade B (Very good)	[ ] Grade B: minor language polishing	[ ] Existed	[ ] High priority for publication
[ ] Grade C (Good)	[ ] Grade C: a great deal of language polishing	[ ] No records	[ ]Rejection
[ ] Grade D (Fair)	[ ] Grade D: rejected	BPG Search:	[Y] Minor revision
[ ] Grade E (Poor)		[ ] Existed	[ ] Major revision
		[ ] No records	

COMMENTS TO AUTHORS

This is a well-written thorough review of the current understanding of the function of endoglin, a type III TGF-β receptor protein, its implication in human diseases such as HHT, Pre-eclampsia, HELLP Syndrome, CFLD, and cancer, as well as its diagnostic value in liver disease. Minor concerns are listed below. Figure 1 is very nice although a little busy. It should be mentioned in text more often wherever the structure, biochemistry, signaling of Endoglin are discussed in the text, in order for readers to refer the figure while reading. Page 7, the first sentence states "Endoglin, a type I membrane integral receptor protein, is expressed..", whereas in page 9, first sentence of the second paragraph, endoglin is stated as a type III receptor "In contrast to the signaling type I and type II receptors, the type III receptors Betaglycan and Endoglin do not possess a kinase activity…". This needs to be slightly clarified. It might be better to change the sentence in page 7 to "Endoglin, a type I transmembrane glycoprotein, is expressed..". The abbreviation for short endoglin is S-Eng whereas the soluble form is named sEng, causing some confusion. Is it possible to change sEng to sol-Eng? In addition, it would be nice if some information can be added regarding how the expression of the isofom and soluble form of endoglin are regulated in cells, particularly in relating to the liver fibrogenesis. Page 5: 11th line from the bottom, "…., becomes phosphorylated by the activity of the TβRII activity." should be"…., becomes phosphorylated by the activity of the TβRII." Page 6, the first sentence of second paragraph, "The human endoglin gene has been localized to human chromosome 9q34 and the coding region encompasses 15 exons numbered 1 to 14,…". Chromosome 9 has been mentioned before and is redundant. It can be "The human endoglin gene contains 15 exons numbered 1 to 14,..".