

## ESPS Peer-review Report

**Name of Journal:** World Journal of Biological Chemistry

**ESPS Manuscript NO:** 5195

**Title:** The Effect of Alcohol Exposure on Hepatic Superoxide Generation and Hepcidin Expression

**Reviewer code:** 01809232

**Science editor:** Wen, Ling-Ling

**Date sent for review:** 2013-08-21 21:37

**Date reviewed:** 2013-09-04 10:17

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	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	language polishing	BPG Search:	<input checked="" 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

This work utilizes Sod2<sup>+/−</sup> mice to address the role of Sod2 and superoxide in alcohol-mediated regulation of hepcidin and iron metabolism. The authors are pioneers in this field. The major finding of the study is that superoxide is not involved in hepcidin regulation by alcohol. The experiments are well designed and appropriately controlled, and the data are technically sound. All conclusions are fully justified. Minor comment: The data in Fig. 6A suggest that alcohol promotes a non-significant induction of Sod2 in Sod2<sup>+/−</sup> hepatocytes. Is it possible that the lack of statistical significance is due to the small sample size? What happens to Sod2 mRNA expression?

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<input checked="" type="checkbox"/> Grade A (Excellent)	<input checked="" type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input checked="" 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	<input type="checkbox"/> Existed	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

**COMMENTS TO AUTHORS**

N/A