



**ESPS PEER-REVIEW REPORT**

**Name of journal:** World Journal of Gastroenterology

**ESPS manuscript NO:** 31415

**Title:** Caffeic acid phenethyl ester up-regulates antioxidant levels in the hepatic stellate cell line T6 via a Nrf2-mediated MAPKs pathway in vitro.

**Reviewer's code:** 02945486

**Reviewer's country:** Spain

**Science editor:** Yuan Qi

**Date sent for review:** 2016-11-15 15:06

**Date reviewed:** 2016-11-30 22:04

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 checked="" 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 type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> Plagiarism	<input type="checkbox"/> [ ] Minor revision
<input type="checkbox"/> Grade E: Poor		[ Y] No	<input type="checkbox"/> [ ] Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		[ Y] No	

**COMMENTS TO AUTHORS**

This is an interesting study about the caffeic acid phenethyl ester up-regulates antioxidant levels in the hepatic stellate cell line. In this study, the authors investigated the antioxidation effect of caffeic acid phenethyl ester in hepatic stellate cells T6 cultured in vitro and the potential mechanisms of the effect. The effect on a-smooth muscle actin was shown using immunofluorescence. Gene and protein levels of Nrf2, including related factors and mitogen activated protein kinases, in HSC-T6 cells were detected using RT-PCR and western blotting, respectively. CAPE inhibited proliferation and activation of HSC-T6 cells cultured in vitro. CAPE increased the antioxidant levels and the translocation of Nrf2 from the cytoplasm to the nucleus in HSC-T6 cells. Moreover, the phosphorylation of MAPKs in cells decreased in response to CAPE. Interestingly, CAPE-induced oxidative stress in the cells was significantly attenuated by pretreatment with MAPKs inhibitors. Over all, this study is well designed, and the results are interesting. 1 Some minor language errors should be corrected. 2 The results should be discussed with more recent references. 3 The figures are good.



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**Title:** Caffeic acid phenethyl ester up-regulates antioxidant levels in the hepatic stellate cell line T6 via a Nrf2-mediated MAPKs pathway in vitro.

**Reviewer's code:** 02945666

**Reviewer's country:** India

**Science editor:** Yuan Qi

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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"/> Plagiarism	<input type="checkbox"/> [ ] Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> [ Y] 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"/> [ Y] No	

### COMMENTS TO AUTHORS

Very interesting study. After some language revision, it can be accepted.