



ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 14622

Title: Intestinal genetic inactivation of caspase-8 diminishes migration of enterocytes

Reviewer's code: 00003345

Reviewer's country: France

Science editor: Jing Yu

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CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	PubMed Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input checked="" 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

Comments to the authors The manuscript of Elke Kaemmerer et al, entitled "Intestinal genetic inactivation of caspase-8 diminishes migration of enterocytes" studied the role of caspase-8 in enterocyte migration. Using cell culture and caspase-8 knockout mice, the authors demonstrated that loss of caspase-8 decelerate migration the crypt-villus and crypt-plateau axis and reduced cell migration of caco2 cells. The work is well conducted and the results are clear and sufficient convincing. I have some comments: - How about cell migration using more differentiated Caco2 cells deleted for casp8? - What is the degree of caspase-8 expression in small intestine and large intestine? Perhaps, if differences exist, this could explain differences in migration seen between small intestine and colon. - Did the authors have an explanation about the loss of Paneth cells? Did the authors check the evaluation, in caspase-8 deficient mice, the presence of inflammatory cytokines such se TNFalpha anf interferon gamma that may explain the loss of Paneth cells?