

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Biological Chemistry

ESPS manuscript NO: 16502

Title: Signal transducer and activator of transcription 3 regulation by novel binding partners

Reviewer's code: 03002173

Reviewer's country: United Kingdom

Science editor: Xue-Mei Gong

Date sent for review: 2015-01-20 21:06

Date reviewed: 2015-03-27 22:43

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> 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"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Minor revision
		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

This is an interesting and general well written review of a number of molecules which may both positively and negatively regulate Stat3 activity. I would suggest only the following minor changes to the manuscript: 1) A table summarising the proteins discussed, their potential mechanism of action and effect on Stat3 activity would provide a useful adjunct to the text. 2) Is there any clinical data to support the pre-clinical data described in the review? Likewise, have these proteins yielded any potential therapeutic targets? Even if limited, this would add to the overall value of the review.

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Biological Chemistry

ESPS manuscript NO: 16502

Title: Signal transducer and activator of transcription 3 regulation by novel binding partners

Reviewer's code: 00202869

Reviewer's country: United States

Science editor: Xue-Mei Gong

Date sent for review: 2015-01-20 21:06

Date reviewed: 2015-01-29 08:24

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<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"/> 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"/> No	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

This manuscript provides a concise review of newly identified STAT3 interacting proteins in the context of IL6-mediated signaling network. This review is well written, and is insightful regarding to our expanding understanding of STAT3 biology. It is acceptable for publication as is.

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Biological Chemistry

ESPS manuscript NO: 16502

Title: Signal transducer and activator of transcription 3 regulation by novel binding partners

Reviewer's code: 00289387

Reviewer's country: United States

Science editor: Xue-Mei Gong

Date sent for review: 2015-01-20 21:06

Date reviewed: 2015-03-03 22:46

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	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"/> The same title	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input checked="" type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Minor revision
		BPG Search:	<input checked="" type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

Dr. Matsuda et al. presented a review article focusing on STAT3-binding partners. Basically, the authors described six nuclear or cytoplasm proteins that are physically associated with STAT3 and either positively or negatively regulate STAT3 through phosphorylation and dephosphorylation. These recently identified proteins include DAXX, ZIPK, KAP1, Y14, PDLIM2, and STAP-2, some of which were found by the authors. Although the article put all these factors together in the figure 1, indicating the relationship between them and STAT3, it falls into the description of their physical interaction with STAT3 in the absence of strong evidence of their physiological and/or pathological significance. If it provides evidence for individual STAT3 and its partners in some pathophysiological conditions such as cancer, other diseases, or animal models, it would be much helpful. In addition, authors' opinion on some limited information should be added and potential problems should be discussed as well. Are there any publications demonstrating agents that can specifically block these binding proteins? If so, please add them because this part may hold promise for disease treatment. Core tip should be re-written as it appears to be same as abstract. NF-kB signaling and association



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with STAT3 in the conclusion must be moved to the main text. Conclusion should summarize the main information described in the text, rather than new discussion. Figure 2 regarding the disease association was not fully mentioned in the text, thus it should be omitted. Figure 1 and 2 legends must be opposite, because they do not match each figure.