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8226 Regency Drive, Pleasanton, CA 94588, USA

Telephone: +1-925-223-8242

Fax: +1-925-223-8243

E-mail: bpgoffice@wjgnet.com

http://www.wjgnet.com

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Oncology

ESPS manuscript NO: 29461

Title: Novel therapeutic approaches targeting L-type amino acid transporters for cancer treatment

Reviewer's code: 00505881

Reviewer's country: United States

Science editor: Fang-Fang Ji

Date sent for review: 2016-08-16 18:11

Date reviewed: 2016-08-25 14:44

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 checked="" 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 checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		[Y] No	<input checked="" 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 a review about the role of L-type amino acid transporters (LATs) in cancer and the potential therapeutic application. This review covers what it promises to. The authors do a solid job of explaining the basics of LATs and their roles in the process. Along with the addition of expression and function of LAT1 in cancers, the authors provide a good resource for readers who are more unfamiliar with LATs but also provide detail. Main Concern: Structure of functional unit of LATs needs to be included.



ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Oncology

ESPS manuscript NO: 29461

Title: Novel therapeutic approaches targeting L-type amino acid transporters for cancer treatment

Reviewer's code: 00504391

Reviewer's country: Mexico

Science editor: Fang-Fang Ji

Date sent for review: 2016-08-16 18:11

Date reviewed: 2016-09-10 05:58

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

COMMENTS TO AUTHORS

Hayashi and Anzai prepared a minireview on a very interesting topic in cancer. The manuscript will be of interest for the readers but some improvements should be made. Major comments: 1. The authors should provide the details about the clinical trial mentioned. In which cancer types it is being tested? At which clinical Phase is the trial?, etc. 2. As the authors mention, LAT3 appears to behave as a critical transporter in several cancers. The manuscript would be of higher interest to the readers if it is completed with LAT3 in cancer, as detailed for LAT1. Otherwise, the authors should change the title of the manuscript to only LAT1 and not LATs. However, I recommend to complete it with LAT3. 3. Table 1 does not describe the functions of LAT1 as indicated by the title of the Table. The authors should complete the Table really describing the function of LAT1 in cancer. 4. At least one Figure should be prepared describing the participation of LAT1 in cancer from the transcriptional regulation, downstream targets, roles, etc. Minor comments 1. Many abbreviations are not described. The authors should assure that every abbreviation is described when first mentioned. 2. LAT1 and metastasis: ...squamous cell carcinomas expresse LAT1... "express" instead of expresse" 3. Table 1.



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“Northernblot” instead of “Northerblot”



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Fax: +1-925-223-8243

E-mail: bpgoffice@wjgnet.com

http://www.wjgnet.com

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Oncology

ESPS manuscript NO: 29461

Title: Novel therapeutic approaches targeting L-type amino acid transporters for cancer treatment

Reviewer's code: 02519158

Reviewer's country: Poland

Science editor: Fang-Fang Ji

Date sent for review: 2016-08-16 18:11

Date reviewed: 2016-09-28 03:02

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google 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 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
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		BPG Search:	
		<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 a very interesting review worthy of publication due to its topic concerning innovative technics of targeted cancer therapy. I suggest only to change the title into Novel therapeutic approaches targeting L-type amino acid transporter 1 for cancer treatment because this title would be better correspond with topic of paper in which practically only LAT1 targeting was presented. After this correction I recommend this paper for publication in World Journal of Gastroenterology.