



**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Gastrointestinal Oncology

**Manuscript NO:** 43345

**Title:** AU-rich elements-binding proteins in colorectal cancer

**Reviewer's code:** 03766000

**Reviewer's country:** China

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2018-11-10

**Date reviewed:** 2018-11-16

**Review time:** 5 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

**SPECIFIC COMMENTS TO AUTHORS**

In this manuscript, Noémie Legrand and co-workers clearly summarized and discussed the recent advances in the role of Adenylate-Uridylate-rich elements binding proteins in the development of colorectal cancer. Minor concerns The serial number of subheadings in the manuscript should be carefully revised: "3.Role of AUBPs in CRC"



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(Page 7) should be replaced by "4.Role of AUBPs in CRC", and the following serial number ("3.1", "3.1.1", "3.1.1.1") should be also revised accordingly. "3.1.1.1. Cell Death" (Page 10) and "3.1.1.1. Cancer cell migration /invasion" (Page 10)

#### **INITIAL REVIEW OF THE MANUSCRIPT**

##### ***Google Search:***

- The same title
- Duplicate publication
- Plagiarism
- No

##### ***BPG Search:***

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- Duplicate publication
- Plagiarism
- No



## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastrointestinal Oncology

**Manuscript NO:** 43345

**Title:** AU-rich elements-binding proteins in colorectal cancer

**Reviewer's code:** 03728442

**Reviewer's country:** Italy

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2018-11-10

**Date reviewed:** 2018-11-22

**Review time:** 12 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS

COMMENTS TO THE AUTHORS Manuscript ID: 43345 Thank you for the opportunity to review this paper. This is a well-written and comprehensive manuscript on adenylate-uridylylate-rich elements binding proteins, spanning from their involvement into colorectal cancer initiation and progression to translational exploitation as attractive



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therapeutic targets. Only minor comments for possibly improving the quality of the paper: 1) Please double-check the number of subheading for appropriateness in ordering. 2) I would suggest adding some additional evidence regarding interactions between AUBPs other than TTP and HuR and noncoding-RNAs, since also the latter are master regulators of gene expression at post-transcriptional level with a proved role in colorectal cancer development. 3) I would suggest placing miR-21 and miR-155 into Figure 1.

#### **INITIAL REVIEW OF THE MANUSCRIPT**

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##### ***BPG Search:***

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**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Gastrointestinal Oncology

**Manuscript NO:** 43345

**Title:** AU-rich elements-binding proteins in colorectal cancer

**Reviewer's code:** 02951959

**Reviewer's country:** Japan

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2018-11-10

**Date reviewed:** 2018-11-25

**Review time:** 14 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Onymous
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publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

**SPECIFIC COMMENTS TO AUTHORS**

Congratulations for relevant works of the authors. I carefully read their paper with a strong interest. The authors summarized the past findings on Adenylate-Uridylate-rich elements binding proteins in a review form. That review is useful. Minor Essential Revisions #1. The authors may disregard my suggestion. In my opinion, if authors show



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their own research results for Adenylate-Uridylate-rich elements binding proteins (research perspective, strategy, results to date), I believe that the review will be better.

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- No

##### ***BPG Search:***

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- Plagiarism
- No



## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastrointestinal Oncology

**Manuscript NO:** 43345

**Title:** AU-rich elements-binding proteins in colorectal cancer

**Reviewer's code:** 00055107

**Reviewer's country:** Spain

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2018-11-19

**Date reviewed:** 2018-11-27

**Review time:** 7 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
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publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS

This is an interesting paper that summarizes the knowledge on the oncogenic or tumor suppressive activities of several AUBPs on the colorectal cancer. Authors extensively describe the intracellular pathways involved in the effects of these proteins and their potential use as therapeutic targets. The importance of this study arises from the fact that



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levels of these AUBP could serve as biomarkers of the early-stages in colorectal cancer. Although this is a well carried out paper with correct English, I consider that some minor aspects should be corrected before it is published. In figure 1, HuR appears that positively regulates iNOS and TP53, however information about this topic does not appear in the text of the chapter corresponding to HuR. The same can be applied for TTP and IL1B. In Figures 1 and 2, authors state the meaning of blue and dashed lines, but they do not indicate that the meaning of black lines is a negative regulation. In Figure 1, change "Il23" by "IL23" and "HIF1a" by "HIF1alpha" In Figure 1, I suppose that "CLDN1" is claudin 1. This abbreviation should be included in the text. In Figure 1, why miR-16, Lin28 and Let7 are in red color? The chapter "3. Role of AUBPs in CRC" should be renumbered "4. Role ...". Some acronyms are repeated. Thus, "lysophosphatidic acid (LPA)" is repeated twice in the last paragraph of page 9. Similarly, "RNA-recognition motifs (RRM)" is repeated in the chapter "3.1. HUR (ELAVL1)" and in the chapter "3.3. TIA1". Furthermore, "Autotaxin (ATX)" is repeated twice in the first paragraph of page 17. In the chapter "3.3. TIA1", change "stress granules" by "SG". This paper has a large amount of abbreviations and acronyms, most of them necessary. Thus it is better to remove some that are unnecessary such as "resveratrol (RSV)" in page 13, because it is used only once in the text. "Nitric oxide (NO)" and "inducible nitric oxide synthase (iNOS)" should be abbreviated in the last paragraph of page 14. In the first paragraph of page 18, authors stated "These discrepancies might be explained by the physiological context in which the studies were conducted". Why the differences in the physiological contexts between both studies are not given?

## INITIAL REVIEW OF THE MANUSCRIPT

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