

# ESPS Peer-review Report

**Name of Journal:** World Journal of Biological Chemistry

**ESPS Manuscript NO:** 7694

**Title:** KAPtain in charge of multiple missions: emerging roles of KAP1

**Reviewer code:** 00699199

**Science editor:** Ling-Ling Wen

**Date sent for review:** 2013-11-29 22:32

**Date reviewed:** 2014-02-27 00:34

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input checked="" 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"/> Existed	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)		BPG Search:	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input checked="" type="checkbox"/> Minor revision
		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

## COMMENTS TO AUTHORS

This is an informative and well written review of KAP1. I suggest a few minor revisions and an additional table. 1. Page 9, the KAP1 interacting protein that is discussed is SMARCAD1 not SMARCD1. SMARCD1 is also called BAF60A, a component of the SWI/SNF chromatin remodeling complex. SMARCAD1 is an SWI/SNF-like ATPase that was shown to interact with KAP1. 2. It would be informative to include an extra table with chromatin associated factors/chromatin remodeling enzymes that interact with KAP1. 3. I suggest adding DNA damage response (DDR) and DNA repair to the diagram in Figure 1. 4. Word usage change on page13: "Besides of its role in HR repair.." to "In addition to its role in HR repair..." 5. The definite article, "the" should be inserted at many areas throughout the manuscript.

## ESPS Peer-review Report

**Name of Journal:** World Journal of Biological Chemistry

**ESPS Manuscript NO:** 7694

**Title:** KAPtain in charge of multiple missions: emerging roles of KAP1

**Reviewer code:** 02446126

**Science editor:** Ling-Ling Wen

**Date sent for review:** 2013-11-29 22:32

**Date reviewed:** 2014-02-27 18:53

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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"/> Existed	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)		BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

## COMMENTS TO AUTHORS

Review: KAPtain in charge of multiple missions: emerging role of KAP1. Authors: Chun-Ting Cheng et al. Review addresses functional aspects of KAP1 during many cellular processes, including replication, cell pluripotency and DNA damage response. Paper is well written, especially function of KAP1 during DNA repair is well described. Chapter "Non-transcriptional function of KAP1" should be changed because it rather describes KAP1 role during DNA damage response or separated chapter should be made in order to point out important functional role of KAP1 during DDR and its link to the function of heterochromatin protein 1 (HP1) isoforms. Figures and table well illustrate multiple functions of KAP1, thus, I would like to recommend this paper for publication in the journal where submitted.

**ESPS Peer-review Report**
**Name of Journal:** World Journal of Biological Chemistry

**ESPS Manuscript NO:** 7694

**Title:** KAPtain in charge of multiple missions: emerging roles of KAP1

**Reviewer code:** 00742195

**Science editor:** Ling-Ling Wen

**Date sent for review:** 2013-11-29 22:32

**Date reviewed:** 2014-03-03 23:00

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input checked="" type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B (Very good)	<input type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)		BPG Search:	
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Minor revision
		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

**COMMENTS TO AUTHORS**

The manuscript was well written and constructed. The authors systematically reviewed KAP1 protein structure, post-translational modulation, protein-protein interaction, gene transcription, chromatin remodeling and etc.. Finally, they addressed the protein is involved in cell physiology and cancer. Minor issues On page 6, line 23. “. after genome[28,29] ” needs to be added. On page 13, line 22. Letter “s” may need to be added after evidence.

**ESPS Peer-review Report**
**Name of Journal:** World Journal of Biological Chemistry

**ESPS Manuscript NO:** 7694

**Title:** KAPtain in charge of multiple missions: emerging roles of KAP1

**Reviewer code:** 00069297

**Science editor:** Ling-Ling Wen

**Date sent for review:** 2013-11-29 22:32

**Date reviewed:** 2014-03-10 21:36

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input checked="" type="checkbox"/> Grade A (Excellent)	<input checked="" 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"/> Existed	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)		BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

**COMMENTS TO AUTHORS**

This excellent review written by Dr. David K. Ann et al. has perfectly gone through the current knowledge of the biochemical and physiological functions of KAP1, especially the clinical relevance of KAP1 in cancer, and discussed future perspective. It was appropriately subdivided in sub-titles. I thoroughly enjoyed reading this manuscript because of the possibility to translate the mechanistic studies of KAP1 to human pathophysiology in the future. The manuscript comprehensively reviewed key articles addressed on this issue and well organized them. It should be of large interest for the readers of the journal.