

Format for ANSWERING REVIEWERS

September 17, 2014



Dear Editor,

Please find enclosed the edited manuscript in Word format (file name: 12637-review.doc).

Title: Transcriptional factors, Mafs and their biological roles

Author: Mariko Tsuchiya, Ryoichi Misaka, Kosaku Nitta, Ken Tsuchiya

Name of Journal: *World Journal of Diabetes*

ESPS Manuscript NO: 12637

The manuscript has been improved according to the suggestions of reviewers:

1 Format has been updated

2 Revision has been made according to the suggestions of the reviewer

(1) The reviewer thinks that you did not describe glucose/energy metabolism in this review. It may be better to correct the title.

Thank you for your comments and advices for our manuscript. We appreciate your suggestion.

We agree with your comments. We mainly described biological properties of transcriptional factor Mafs in various organs. From the point of view of glucose metabolism and relating issue, we tried to review the function of mafs, it is certain that we have not described the direct relation between mafs and glucose/energy regulation in this review. So, incorporating with your advice, we have changed our manuscript title, since in this review, we would like to mention mainly about function of mafs in various organs.

Thus, we re-wrote several parts in our manuscript as follows;

Revised manuscript, page 2, line8

In particular, MafA is a distinct molecule that has been attracting the attention of researcher because it acts as a strong transactivator of insulin, suggesting that Maf transcription factors are likely to be involved in systemic energy homeostasis. In this review, we focused on the regulation of glucose/energy balance by Maf transcription factors in various organs.

In particular, MafA is a distinct molecule that has been attracting the attention of researcher because it acts as a strong transactivator of insulin. In this review, we focused on the biological roles of Mafs on cell differentiation and organ development in various organs, and in addition, the responses of hormone mainly related to behavior and energy regulation by Mafs in the central nervous system (CNS).

Revised manuscript, page 2, Core tip We re-wrote Core tip.

This manuscript demonstrates that Maf transcription factors are likely to have pivotal role on cell differentiation and development in various organs. It is well known that one of Mafs, MafA is a strong activator of insulin and glucose related gene in peripheral organs. In addition, Mafs regulate humoral response, in part, related to energy metabolism and behavior in the central nervous system. The regulation of Maf transcription factors is likely occurring near the start of the cascade or acting

directly on the expression of genes in coordination with other factors in multiple organs and tissues.

Revised manuscript, page 3, line 22

In this review, we mainly focused on large Maf transcription factors and their roles in the regulation of various organs and their effect on energy balance.

In this review, we mainly discussed about the biological roles of Mafs on cell differentiation and organ development in various organs, and in addition, the responses of hormone relating to behavior and energy balance in the central nervous system (CNS).

3 References and typesetting were corrected

To the editor's suggestion

1. We put a running title; Biological roles of Mafs
2. All the authors' work was given in this section.
3. We put specific street address.
4. We defined all abbreviations throughout the manuscript.
5. We put the reference numbers in square brackets in superscript and add DOI citation to the reference list.
6. The author should provide the first page of the paper without PMID and DOI.
We could not find out DOI no. of reference 5, 8, 11, 28, 49, so, we added PDF file of first page of each paper.
7. We provided decomposable figures by PPT.
8. All the abbreviations appear in the figure and chart title should be defined.
9. In this time, we have not edited our English, since we have done it when we submitted manuscript by native speaker in Japan. If we have to do, please let me know, we will ask editing as soon as possible.

We really hope the revised manuscript meets your criteria for publication.

Thank you again for publishing our manuscript in the *World Journal of Diabetes*.

Sincerely yours,



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