

PEER-REVIEW REPORT 1

Name of journal: Neural Regeneration Research

Manuscript NO: NRR-D-18-00365

Title: Roles and functions of Atp6ap2 in the brain

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Reviewer's country: Taiwan, China

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Date reviewed: 2018-06-20

Review time: 31 days

1. Do you consider this paper is hotspots or important areas in the research field related to neural regeneration?

Yes

2. Which area do you think this paper falls into? Neurorepair, neuroprotection, neuroregeneration or neuroplasticity.

Neuroplasticity

3. Is the manuscript technically sound, and do the data support the conclusions?

Atp6ap2 is expressed in the brain stem up to the cortex.

4. Has the statistical analysis been performed appropriately and rigorously?

NA

5. Is the manuscript presented in an intelligible fashion and written in Standard English?

Yes

6. Your peer review comments will be published as an open peer review report. Do you agree to have your name included with the published article?

Yes

Manuscript Rating Question(s):	Scale	Rating
The subject addressed in this article is worthy of investigation. (3 as the best score)	[1-3]	3
The information presented was new. (5 as the best score)	[1-5]	4

COMMENTS TO AUTHORS

The present paper reviewed current research on Roles and functions of Atp6ap2 in the brain. Indeed, the classical renin-angiotensin system (RAS) has been studied in the regulation of the blood pressure. Within the brain, Atp6ap2 is thought to be independent from the RAS in the periphery. In this review we shed light on the (known as well as putative) roles and functions of Atp6ap2 in the brain. Atp6ap2 is expressed in different specific brain areas and regulates several intracellular signaling cascades in the brain. The manuscript is well organized and written. Atp6ap2 is expressed in the brain stem up to the cortex. However, roles of Atp6ap2 in the brain remain unclear. The insights and mechanisms responsible of Atp6ap2 signaling functions in the brain will be of interests. This article needs to be re-written for some paragraphs. Please revise according to the attached file for your reference (iTheneticate check with 35% similarity index).