PEER-REVIEW REPORT

Name of journal: *World Journal of Biological Chemistry*

Manuscript NO: 66353

Title: Neuroprotection by dipeptidyl-peptidase-4 inhibitors and glucagon-like peptide-1 analogs via the modulation of AKT-signaling pathway in Alzheimer’s disease

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer’s code: 05207387

Position: Editorial Board

Academic degree: DSc, PhD

Professional title: Professor

Reviewer’s Country/Territory: South Korea

Author’s Country/Territory: Japan

Manuscript submission date: 2021-03-26

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-03-26 10:29

Reviewer performed review: 2021-03-28 01:59

Review time: 1 Day and 15 Hours

<table>
<thead>
<tr>
<th>Scientific quality</th>
<th>Grade A: Excellent</th>
<th>Grade B: Very good</th>
<th>Grade C: Good</th>
<th>Grade D: Fair</th>
<th>Grade E: Do not publish</th>
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<tbody>
<tr>
<td>Language quality</td>
<td>Grade A: Priority publishing</td>
<td>Grade B: Minor language polishing</td>
<td>Grade C: A great deal of language polishing</td>
<td>Grade D: Rejection</td>
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<td>Conclusion</td>
<td>Accept (High priority)</td>
<td>Accept (General priority)</td>
<td>Minor revision</td>
<td>Major revision</td>
<td>Rejection</td>
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<td>Re-review</td>
<td>Yes</td>
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SPECIFIC COMMENTS TO AUTHORS
Thank you for recommending me as a reviewer. The authors summarize here the main features of AD pathogenesis, the regulatory roles of mTOR in AD, and the preventive and/or therapeutic implications of targeting the mTOR signaling with physical activity. This mini review is well written overall. If the authors complete minor revisions, the quality of the study will be further improved. 1. The introduction section of the study is well written. If you describe the background of your study more specifically, you can help readers understand it. 2. Before publication, the authors are encouraged to review the typos again.