

## Recommendation:

- Accept
- Minor Revision
- Major Revision
- Reject

## Overall Manuscript Rating:

- TOP 10%
- TOP 25%
- TOP 50%
- LOWER 50%

## Significance of Research Findings:

- TOP 10%
- TOP 25%
- TOP 50%
- LOWER 50%

## Novelty of Findings:

- TOP 10%
- TOP 25%
- TOP 50%
- LOWER 50%

## Experimental Design and Quality of Data:

- TOP 10%
  - TOP 25%
  - TOP 50%
  - LOWER 50%
- 

## General Manuscript Information:

### Title- Is it concise and accurate?

- Yes
- No
- N/A

### Manuscript- Is it the right length for the article type?

- Yes
- No
- N/A

### Data Supplements - Do the data supplements submitted provide useful information supporting the findings of the study?

- Yes - retain the data supplements
- No - remove the data supplements
- N/A - no supplemental data included

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## Study Approval Information:

**Animal or Human Studies- Does the Methods include a statement of IACUC, IRB, or equivalent approval?**

- Yes
- No
- N/A

**Animal Studies- Is there any question of violation of APS's Guiding Principles in the Care and Use of Animals?**

- Yes
- No
- N/A

**Clinical Trials- Does the Methods include a statement of registration?**

- Yes
- No
- N/A

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## Methods Section - Rigor and Reproducibility:

Animal studies - Does the Methods include experimental details per ARRIVE Guidelines checklist? (<http://www.nc3rs.org.uk/arrive-guidelines>)

- Yes
- No
- N/A

Antibody Experiments- Does the Methods report how antibodies were validated for specificity?

- Yes
- No
- N/A

Antibody Experiments- Does the Methods report dilutions used for primary and secondary antibodies?

- Yes
- No
- N/A

Gels and Blots- Does the Methods describe how the samples were prepared for gels and/or blots and how the data were quantified?

- Yes
- No
- N/A

Microscopy Experiments- Does the Methods report the necessary information needed to evaluate microscopy experiments (e.g., controls, imaging conditions, and processing)?

- Yes
- No
- N/A

Computer simulations - Did the author provide access to working code?

- Yes
- No
- N/A

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## Results Section - Rigor and Reproducibility:

Graphical Data- Should any bar graphs be presented as box-whisker plots or dot-whisker plots, instead of bar graphs, to enhance clarity?

- Yes
- No
- N/A

Graphical Data- Do bar graphs show individual data values?

- Yes
- No
- N/A

Graphical Data- If data were normalized, was the process explained?

- Yes
- No
- N/A

Digital Blots- Do Westerns blots contain molecular weight markers and/or ladders?

- Yes
- No
- N/A

Digital Blots- Digital captures of data should not be edited to move, remove, introduce, obscure or enhance any specific feature within an image including artifacts. Space should be retained above and below bands of interest. Do blots and gels adhere to these requirements?

- Yes
- No
- N/A

Digital Blots- Do digital blots show dividing lines or spaces to indicate if lanes have been moved or deleted?

- Yes
- No
- N/A

Microscopy- Do all microscopy images include a scale bar?

- Yes
- No
- N/A

Figure Legends- Do they include details for each individual experiment (sample number (n), sex, statistics test)?

- Yes
- No
- N/A

**Would you like to receive CME credit for this review if all the [qualifications](#) are**

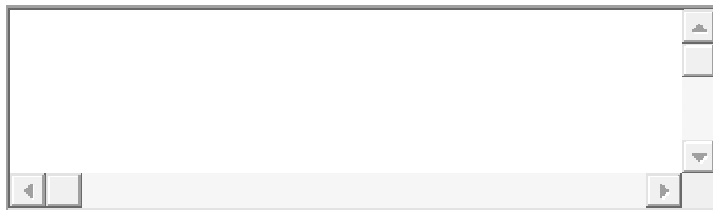
met?

- Yes
- No
- N/A

***Confidential Comments to the Review Editor:\****


Please elaborate on your evaluation of the strengths and weaknesses of the manuscript and physiological significance of the findings in your confidential remarks to the Editor. State whether you judge the findings to 1) represent a breakthrough in understanding; 2) be of major importance; or 3) be of minor importance, advancing the field only incrementally or not at all. State (yes or no) if you would rank the overall quality/impact of this manuscript in the top 25% of manuscripts you have reviewed in the field.

Remember, your review, including confidential comments, may be passed to the editors of *Physiological Reports*. Comments may be paraphrased to authors if deemed constructive for the peer review process.

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***Comments to the Author:\****

Include in your critique your judgment of the physiological significance of the findings, the clarity of the rationale and hypotheses, accuracy of the experimental design, methods and statistical analysis, quality of data presentation, length and quality of Discussion, and inclusion of appropriate references. Submit general comments first, and then specific comments for revision. Do not indicate any ethical issues in Comments to the Author; those should go in the Comments to the Editor. Do not reveal your decision recommendation to the author, but do make your comments diplomatically congruent with those that are in the Comments to the Editor.

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Comments may be edited for content.