

Open peer review and authors' responses

Kinase perturbations redirect mitochondrial function in cancer

Authors: Torres-Quesada O, Strich S, Stefan E

Manuscript submitted 2022-04-01, 2022-07-06 (revision)

Manuscript accepted 2022-11-09

<https://doi.org/10.26124/bec:2022-0013>

Reviewer 1

Tuuli Kaambre

Laboratory of Biological Chemistry, National Institute of Chemical Physics and Biophysics, Tallinn, Estonia

Manuscript reviewed 2022-05-17

<https://doi.org/10.26124/bec:2022-0013.r1>

*Only major points from review and responses included.

Reviewer 1

Is it correct to use the term mitochondrial kinases? These kinases linked to mitochondrial function, but does not localize in mitochondria. What is the difference between mitochondrial and protein kinases?

Authors

Thank you very much for reviewing the manuscript. We are agreed that the term **“mitochondrial kinases”** might be confusing in terms of distinguishing kinases localized in the cytoplasm and kinases localized at the mitochondrial matrix. Because they can localize in both cell compartments and for some of them it still is not clear whether they exert their regulatory functions from the cytoplasm to the mitochondria or inside the mitochondria, we have replaced it in the text and we refer them as **“kinases which modulate/regulate mitochondria”**.