

# [Corrigendum: lymphocyte autophagy in homeostasis, activation, and inflammatory di...](https://assignbuster.com/corrigendum-lymphocyte-autophagy-in-homeostasis-activation-and-inflammatory-diseases/)

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A Corrigendum on   
[Lymphocyte Autophagy in Homeostasis, Activation, and Inflammatory Diseases](https://doi.org/10.3389/fimmu.2018.01801)

*by Arbogast, F., and Gros, F. (2018). Front. Immunol. 9: 1801. doi:* [*10. 3389/fimmu. 2018. 01801*](https://doi.org/10.3389/fimmu.2018.01801)

In the original article, two clarifications about cited references are necessary.

First, the sentence “ As a consequence, autophagy-deficient T cells show impaired TH9 differentiation and antitumor responses ( [63](#B63) )” should be “ As a consequence, autophagy-deficient T cells show enhanced TH9-dependent anti-tumor responses ( [63](#B63) )”. A correction has been made to the section *Autophagy in Peripheral T Cells, Macroautophagy in T Cell Activation* , paragraph 2.

Moreover, even if mechanisms are not totally understood, Chen et al. indeed found experimental evidence in [ [42](#B42) ], for a role played by autophagy in limiting lipid peroxidation toxicity induced by reactive oxygen species. The sentence “ To date, no mechanism linking autophagy and memory B cell survival has been proposed. It is possible that mitophagy and mobilization of lipids through lipophagy might be important, as for T cells” has been corrected to “ Chen et al. ( [42](#B42) ) showed that autophagy in memory B cells limits mitochondrial ROS production and toxicity of peroxidized lipids. It is also possible that mobilization of lipids through lipophagy might be required for the survival of both memory B and T cells”. A correction has been made to the section *Autophagy in peripheral B Cells, Macroautophagy in Memory B Cell and Plasma Cell Survival* , paragraph 2.

The authors apologize for these errors and state that they do not change the scientific conclusions of the article in any way. The original article has been updated.

## Conflict of Interest Statement

The authors declare that the research was conducted in the absence of any commercial or financial relationships that could be construed as a potential conflict of interest.

## References

42. Chen M, Hong MJ, Sun H, Wang L, Shi X, Gilbert BE, et al. Essential role for autophagy in the maintenance of immunological memory against influenza infection. *Nat Med* . (2014) 20: 503–10. doi: 10. 1038/nm. 3521

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63. Rivera Vargas T, Cai Z, Shen Y, Dosset M, Benoit-Lizon I, Martin T, et al. Selective degradation of PU. 1 during autophagy represses the differentiation and antitumour activity of T H 9 cells. *Nat Commun* . (2017) 8: 559. doi: 10. 1038/s41467-017-00468-w

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