

Retraction: γ -Tocotrienol Promotes TRAIL-Induced Apoptosis through Reactive Oxygen Species/Extracellular Signal-Regulated Kinase/p53-Mediated Upregulation of Death Receptors



This article (1) has been retracted at the request of the editors. Following an institutional review of the figures in the article, it was determined that data used in some of the figures could not be supported. Specifically, the same microscopy image was used to represent multiple experimental conditions as described below:

- In Fig. 2B, the same image was used to represent three different experimental conditions: control, γ -T3, and TRAIL.
- In Fig. 6C, the same image was used to represent three different experimental conditions: p53 parent control, p53 parent TRAIL, and p53 KO TRAIL.
- In Fig. 6C, the same image was used to represent two different experimental conditions:
P53 parent γ -T3 and p53 KO γ -T3.
- In Fig. 6C, the same image was used to represent two different experimental conditions: p53 parent TRAIL + γ -T3 and Bax parent TRAIL + γ -T3.
- In Fig. 6C, the same image was used to represent four different experimental conditions: Bax parent control, Bax KO TRAIL + γ -T3, Bax KO γ -T3, and Bax KO control.
- In Fig. 6C, the same image was used to represent two different experimental conditions: Bax parent γ -T3 and Bax KO γ -T3.

The original research records provided during institutional review did not sufficiently address these concerns.

A copy of this retraction notice was sent to the last known email addresses for all eight authors. Two authors (R. Kannapan and B. Sung) did not agree to the retraction; the six remaining authors (J. Ravindran, S. Prasad, V. R. Yadav, S. Reuter, M. Chaturvedi, and B. Aggarwal) did not respond.

Reference

1. Kannappan R, Ravindran J, Prasad S, Sung B, Yadav VR, Reuter S, et al. γ -Tocotrienol promotes TRAIL-induced apoptosis through reactive oxygen species/extracellular signal-regulated kinase/p53-mediated upregulation of death receptors. *Mol Cancer Ther* 2010;9:2196–207.

Published first September 4, 2018.

doi: 10.1158/1535-7163.MCT-18-0869

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Molecular Cancer Therapeutics

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Mol Cancer Ther 2018;17:2072.

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