

University of Dundee

**RETRACTED . Christopher Lipina, Clare Stretton, Simon Hastings, Jonathan S. Hundal, Ken Mackie, Andrew J. Irving, and Harinder S. Hundal. Regulation of MAP Kinase–Directed Mitogenic and Protein Kinase B–Mediated Signaling by Cannabinoid Receptor Type 1 in Skeletal Muscle Cells. *Diabetes* 2010;59:375–385. DOI: 10.2337/db09-0979. PMID: 19933999. PMCID: PMC2809953**

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# Statement of Retraction

**Statement of Retraction. Christopher Lipina, Clare Stretton, Simon Hastings, Jonathan S. Hundal, Ken Mackie, Andrew J. Irving, and Harinder S. Hundal. Regulation of MAP Kinase–Directed Mitogenic and Protein Kinase B–Mediated Signaling by Cannabinoid Receptor Type 1 in Skeletal Muscle Cells. *Diabetes* 2010;59:375–385. DOI: 10.2337/db09-0979. PMID: 19933999. PMCID: PMC2809953**

American Diabetes Association

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The above-cited article has been retracted by the American Diabetes Association (ADA), the publisher of *Diabetes*. An investigation conducted by the School of Life Sciences at the University of Dundee has confirmed that the following image duplications appear in the article:

- The ERK1/2 panels in Figs. 2B, 2D (with horizontal stretching), 3B, 4B, and 5A (with horizontal rotation)
- The ERK1/2 panels in Figs. 2A (lanes 1 and 2) and 2C (lanes 3 and 4), as well as Figs. 2A (lanes 3 and 4) and 3A (lanes 1 and 2; with vertical stretching)
- The PKB<sup>308</sup> panels in lane 3 of Fig. 2B and lanes 1 and 4 of Fig. 2D, as well as lanes 1 and 4 of Fig. 2B, lanes 2 and 3 of Fig. 2D, and lane 1 of Fig. 6A
- Lanes 1–8 of Fig. 2D (PKB), Fig. 5A (PKB), and Fig. 7A (Actin), with horizontal and vertical manipulation of Fig. 7A
- The PKB images in Figs. 2A and 3A, including lanes 3 and 4 vs. lanes 1 and 2 of Fig. 2C (unlabeled)

This statement has been reviewed and approved by ADA's Panel on Ethical Scientific Programs. More information about ADA's retraction policies and procedures can be found at <https://diabetesjournals.org/content/journal-policies>.