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Urea-induced ROS generation causes insulin resistance in mice with chronic renal failure

Maria D'Apolito, Xueliang Du, Haihong Zong, Alessandra Catucci, Luigi Maiuri, Tiziana Trivisano, Massimo Pettoello-Mantovani, Angelo Campanozzi, Valeria Raia, Jeffrey E. Pessin, Michael Brownlee, Ida Giardino

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Addendum

Original citation: J Clin Invest. 2010;120(1):203–213. doi:10.1172/JCI37672. Citation for this addendum: J Clin Invest. 2014;124(10):4668. doi:10.1172/JCI78338. Concerns were recently raised with regard to the immunoblot images in Figure 5B, and it was unclear to the Editorial Board whether the position of the bands in lane 2 of the total IRS-1 blot and the O-GlcNAc was consistent with stripping and reprobing of the same membrane. An investigative committee at the University of Foggia found no evidence for image manipulation after comprehensive analysis of the available images by a noted expert in digital image analysis; however, the original raw data were unavailable for review due to a flood in the region. The authors have therefore performed a replicate experiment; the results (shown below) are consistent with the findings originally reported in the paper.

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Figure 5.