Erratum to: The Contribution of Cdc2 in Rotenone-Induced G2/M Arrest and Caspase-3-Dependent Apoptosis

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The original version of this article unfortunately contained mistakes. The changes are emphasized in **bold** as follows:

Page 2, “Reagents” section:

“Rabbit anti-CDK2 (#2546), rabbit anti-p-cdc2 (Thr161) antibody (#9114), rabbit anti-CDK5 antibody (#2506), rabbit anti-cleaved caspase-3 (Asp175)(5A1E) antibody (#9664) and rabbit polyclonal anti-caspase-9 antibody (#9502) were obtained from Cell Signaling Technology at a dilution of 1:200–1:1,000.”

Should read:

“Rabbit CDK2 (#2546), rabbit p-cdc2 (Thr161) (#9114), rabbit CDK5 (#2506), rabbit cleaved caspase-3 (Asp175)(5A1E) (#9664), mouse Cdc2 (POH1) (#9116) and rabbit polyclonal caspase-9 (#9502) antibodies were obtained from Cell Signaling Technology at a dilution of 1:200–1:1,000.”

Page 2, “Hoechst Staining and Confocal Fluorescence Microscopy” section:

“After washing with PBS, the cells were incubated with FITC-conjugated goat anti-rabbit IgG and Cy3-conjugated goat anti-

mouse IgG 37 °C for 1 h and nuclear counterstained by the blue fluorescence of Hoechst (5.0 µg/ml) for 10 min.”

Should read:

“After washing with PBS, the cells were incubated with FITC-conjugated goat **anti-mouse** IgG and Cy3-conjugated goat **anti-rabbit** IgG 37 °C for 1 h and nuclear counterstained by the blue fluorescence of Hoechst (5.0 µg/ml) for 10 min.”

Page 3, “Caspase-3 Was Activated Both in Cytoplasm and Nucleus Accompanied by Cell Cycle G2/M Arrest” section, third paragraph:

“The proportion of cells in G2/M phase was elevated in a time-dependent manner until 36 h (Fig. 1b).”

Should read:

“The proportion of cells in G2/M phase was elevated in a time-dependent manner until 36 h (**Fig. 1d**).”

Page 4, “The Decreased Activity and the Increased Aggregation of Cdc2 Occurred After Rotenone Treatment” section, first paragraph:

“In selective enlargement, dot accumulation of Cdc2 was easily found in the cytoplasm (Fig. 2b, arrow).”

Should read:

“In selective enlargement, dot accumulation of Cdc2 was easily found in the cytoplasm (**Fig. 2a**, arrow).”

Page 7, “The siRNA-Mediated Cdc2 Knockdown Decreased Cleaved Caspase-3/9 Expression and Protected Against Rotenone-Induced Cell Apoptosis” section, third paragraph:

“We found that the expression of cleaved caspase-9 and -3 were elevated significantly after a 12-h exposure to rotenone and further elevation at 36 h (Fig. 5).”

The online version of the original article can be found at <http://dx.doi.org/10.1007/s12031-013-0185-3>.

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Should read:

“We found that the expression of cleaved caspase-9 and -3 were elevated significantly after a 12-h exposure to rotenone and further elevation at 36 h (**Fig. 5c**).”

Page 9, “Discussion” section, fifth paragraph:

“Previous studies suggest that in neuron cell cycle re-entry, the prolonged G2 stage might not undergo cell

division but instead induce apoptosis (Cabeza-Arvelaiz et al. 2012).”

Should read:

“Previous studies suggest that in neuron cell cycle re-entry, the prolonged G2 stage might not undergo cell division but instead induce apoptosis (**Cabeza-Arvelaiz and Schiestl 2012**).”