

**Kv3.4 is modulated by HIF-1 α to protect SH-SY5Y cells against
oxidative stress-induced neural cell death**

Min Seok Song, Pan Dong Ryu, So Yeong Lee*

Laboratory of Veterinary Pharmacology, College of Veterinary Medicine and Research
Institute for Veterinary Science, Seoul National University, Seoul, 08826, Korea.

Corresponding Author:

So Yeong Lee, DVM, PhD

Laboratory of Veterinary Pharmacology

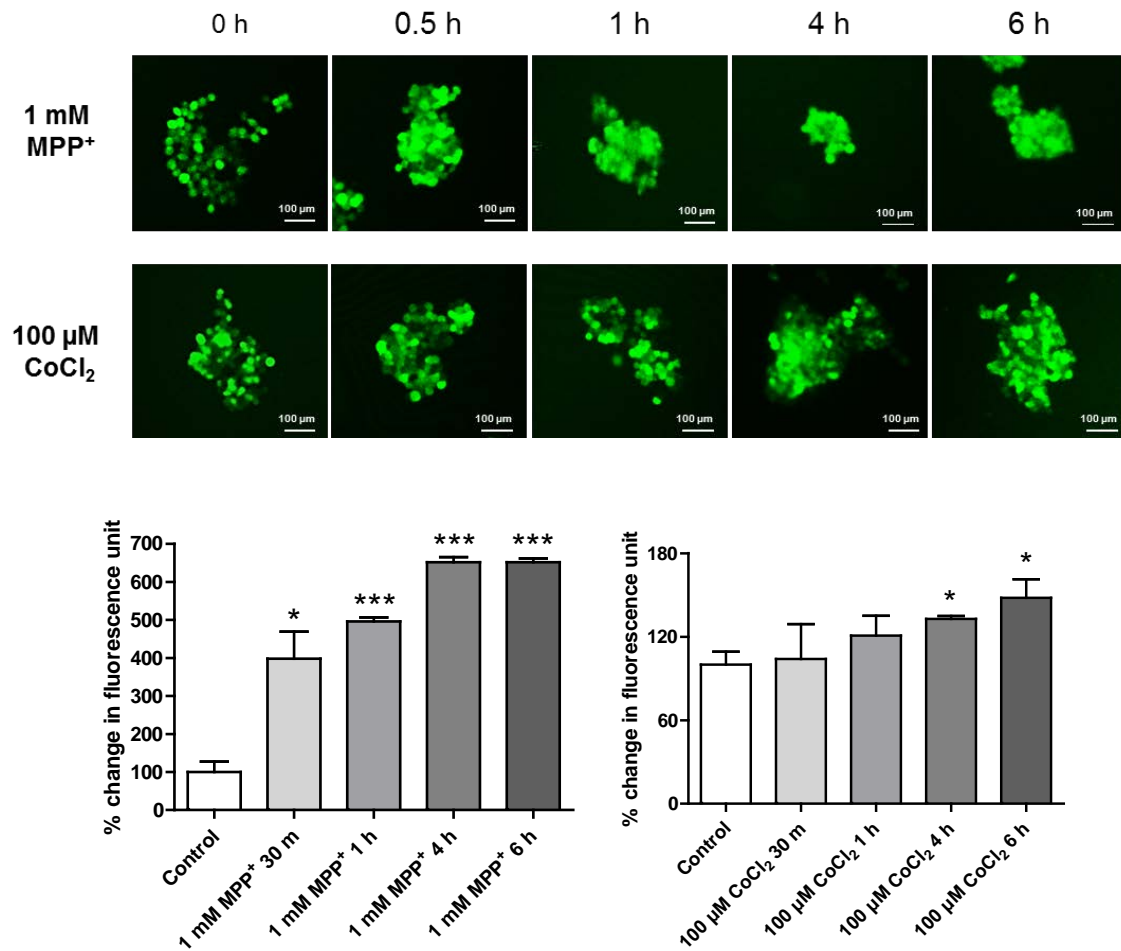
College of Veterinary Medicine, Seoul National University,

1 Gwanak-ro, Gwanak-gu, Seoul, 08826, Korea

Tel: + 82-2-880-1283

Fax: +82-2-879-0378

E-mail: leeso@snu.ac.kr



Supplementary Figure 1. MPP⁺- or CoCl₂-induced oxidative stress measurement in SH-SY5Y cells Oxidative stress induced by MPP⁺ or CoCl₂ treatment was measured in SH-SY5Y cells using the DCFH-DA method. MPP⁺ effectively induced a large amount of oxidative stress after 30 min treatment, and the generated oxidative stress was saturated after 4 h treatment. On the other hand, CoCl₂ significantly induced oxidative stress after 4 hours of treatment. All experiments were performed in triplicate; representative images are shown.