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## Protective effects of tyrosol against oxidative damage in L6 muscle cells

Kwang Min Lee, JinyoungHur and Sang Yoon Choi  
Korea Food Research Institute, Republic of Korea

### Abstract

Tyrosol (2-(4-hydroxyphenyl) ethanol) is a phenylethanoid present in olive oil, with anti-oxidative, anti-inflammatory, and cerebroneural protection effects. In this study, the protective effect of tyrosol against oxidative damage was measured in L6 muscle cells. Tyrosol effectively inhibited H<sub>2</sub>O<sub>2</sub>-induced L6 cell death in part through inhibition of ERK, JNK, and p38 MAP kinase and increased ATP production. In addition, it increased HO-1 expression in the cell. Based on results, tyrosol is effective in inhibiting oxidative damage of muscle cells.

### Biography

Dr. Sang Yoon Choi is currently working as a Principal Researcher in Korea Food Research Institute, Republic of Korea. He published many articles in reputed journals and attended international conferences.

email: sychoi@kfri.re.kr