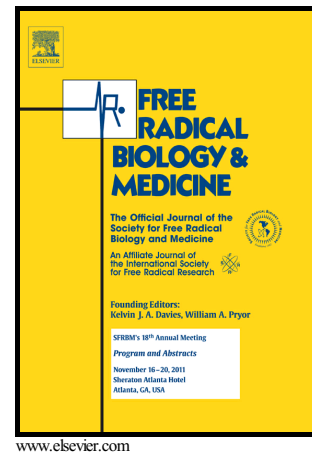


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Cytosolic calcium mediates RIP1/RIP3 complex-dependent necroptosis through JNK activation and mitochondrial ROS production in human colon cancer cells

Wen Sun¹, Xiaxia Wu¹, Hongwei Gao¹, Jie Yu¹, Wenwen Zhao¹, Jin-Jian Lu¹, Jinhua Wang², Guanhua Du², Xiuping Chen^{1*}

¹State Key Laboratory of Quality Research in Chinese Medicine, Institute of Chinese Medical Sciences, University of Macau, Macau, China

²The State Key Laboratory of Bioactive Substance and Function of Natural Medicines, Beijing Key Laboratory of Drug Target Research and Drug Screen, Institute of Materia Medica, Chinese Academy of Medical Science and Peking Union Medical College, Beijing, 100050, China.

*Correspondence to: Institute of Chinese Medical Sciences, University of Macau, Avenida da Universidade, Taipa, Macau, China. Tel.: +853 88224679; fax: +853 28841358. xpchen@umac.mo

ABSTRACT

Necroptosis is a form of programmed necrosis mediated by signaling complexes with receptor-interacting protein 1 (RIP1) and RIP3 kinases as the main mediators. However, the underlying execution pathways of this phenomenon have yet to be elucidated in detail. In this study, a RIP1/RIP3 complex was formed in 2-methoxy-6-acetyl-7-methyljuglone (MAM)-treated HCT116 and HT29 colon cancer cells. With this formation, mitochondrial reactive oxygen species (ROS) levels

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