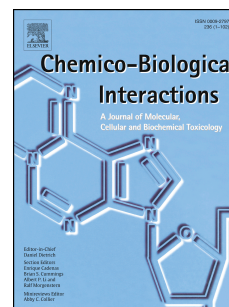


Accepted Manuscript

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PII: S0009-2797(18)30610-0

DOI: [10.1016/j.cbi.2018.08.015](https://doi.org/10.1016/j.cbi.2018.08.015)

Reference: CBI 8389

To appear in: *Chemico-Biological Interactions*

Received Date: 1 June 2018

Revised Date: 23 July 2018

Accepted Date: 17 August 2018

Please cite this article as: V. Rubio, A.I. García-Pérez, A. Herráez, José.C. Diez, Different roles of Nrf2 and NFKB in the antioxidant imbalance produced by esculetin or quercetin on NB4 leukemia cells, *Chemico-Biological Interactions* (2018), doi: 10.1016/j.cbi.2018.08.015.

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Virginia Rubio, Ana I. García-Pérez, Angel Herráez and José C. Diez*

Unidad de Bioquímica y Biología Molecular. Departamento de Biología de Sistemas. Facultad de Medicina y Ciencias de la Salud. Campus Universitario. Universidad de Alcalá. 28871 Alcalá de Henares (Madrid) Spain.

Corresponding author: * **José C. Diez**. Departamento de Biología de Sistemas. Unidad de Bioquímica y Biología Molecular. Campus Universitario. Universidad de Alcalá. 28871 Alcalá de Henares (Madrid) SPAIN.

Phone number: 34-91-8854582 or 34-91-8854579. Fax number: 34-91-8854585.

E-mail: josecarlos.diez@uah.es

Running title: Nrf2 and NFkB in the antioxidant imbalance of NB4 leukemia cells

Key words: Antioxidants, apoptosis, esculetin, hydrogen peroxide, reactive oxygen species, tert-butylhydroperoxide.

Abbreviations

APL, Acute promyelocytic leukaemia; Annexin V-FITC, fluorescein isothiocyanate coupled to annexin V; BSO, buthionine-[S, R]-sulfoximine; DMSO, dimethyl sulfoxide; HEL, human erythromegakaryocytic leukaemia; H₂O₂, hydrogen peroxide; DHE, hydroethidine; LOX, lipoxygenase; PI, propidium iodide; MTT, 3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide; ROS, reactive oxygen species; SOD, Superoxide dismutase; t-BHP, tert-butylhydroperoxide.

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