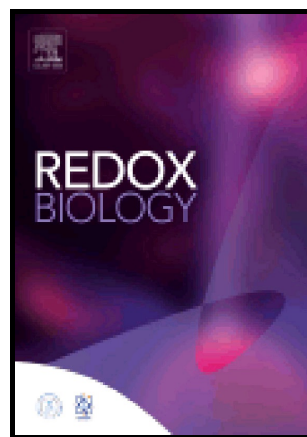


Author's Accepted Manuscript

THIOREDOXIN 1 MODULATES APOPTOSIS INDUCED BY BIOACTIVE COMPOUNDS IN PROSTATE CANCER CELLS

Aida Rodriguez-Garcia, David Hevia, Juan C. Mayo, Pedro Gonzalez-Menendez, Lucia Coppo, Jun Lu, Arne Holmgren, Rosa M. Sainz



www.elsevier.com/locate/redox

PII: S2213-2317(16)30437-2
DOI: <http://dx.doi.org/10.1016/j.redox.2017.03.025>
Reference: REDOX620

To appear in: *Redox Biology*

Received date: 20 December 2016
Revised date: 23 March 2017
Accepted date: 24 March 2017

Cite this article as: Aida Rodriguez-Garcia, David Hevia, Juan C. Mayo, Pedro Gonzalez-Menendez, Lucia Coppo, Jun Lu, Arne Holmgren and Rosa M. Sainz THIOREDOXIN 1 MODULATES APOPTOSIS INDUCED BY BIOACTIVE COMPOUNDS IN PROSTATE CANCER CELLS, *Redox Biology* <http://dx.doi.org/10.1016/j.redox.2017.03.025>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain

THIOREDOXIN 1 MODULATES APOPTOSIS INDUCED BY BIOACTIVE COMPOUNDS IN PROSTATE CANCER CELLS.

Aida Rodriguez-Garcia¹, David Hevia^{1,2}, Juan C. Mayo¹, Pedro Gonzalez-Menendez¹, Lucia Coppo³, Jun Lu³, Arne Holmgren³, Rosa M. Sainz^{1*#}.

¹Departamento de Morfología y Biología Celular. Biology Unit. Instituto Universitario de Oncología del Principado de Asturias (IUOPA). Universidad de Oviedo, 33006 Oviedo, Asturias, Spain.

²Research and Development Department, Bioquochem S.L., Parque Tecnológico de Asturias, 33428 Llanera, Asturias. Spain.

³Division of Biochemistry, Department of Medical Biochemistry and Biophysics, Karolinska Institute, SE-17177 Stockholm, Sweden.

***CORRESPONDING AUTHORS:** ROSA M. SAINZ, PhD. Departamento de Morfología y Biología Celular, Facultad de Medicina, C/Julián Clavería 6, 33006 Oviedo, SPAIN. Phone # 34 985103610.

Fax # 34 985103618. e-mail: sainzrosa@uniovi.es

ABSTRACT

Accumulating evidence suggests that natural bioactive compounds, alone or in combination with traditional chemotherapeutic agents, could be used as potential therapies to fight cancer. In this study, we employed four natural bioactive compounds (curcumin, resveratrol, melatonin, and silibinin) and studied their role in redox control and ability to promote

Download English Version:

<https://daneshyari.com/en/article/8287292>

Download Persian Version:

<https://daneshyari.com/article/8287292>

[Daneshyari.com](https://daneshyari.com)