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Effects of sulforaphane on brain mitochondria: mechanistic view and future directions

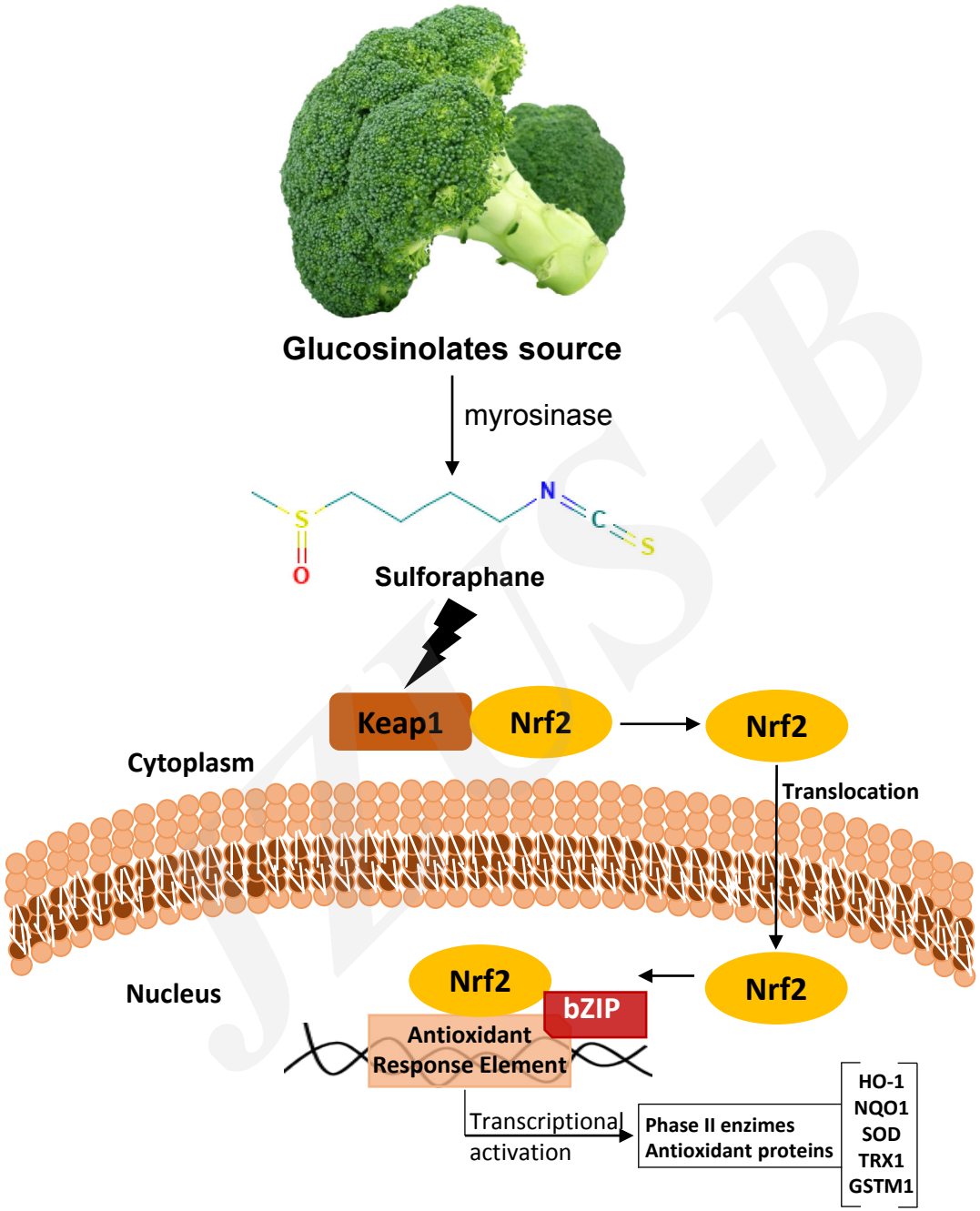
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Keywords: Sulforaphane, Brain, Mitochondria, Antioxidant, Nrf2

RESEARCH SUMMARY

- In this paper, we describe and discuss the effects and mechanisms of action by which sulforaphane ($C_6H_{11}NOS_2$) modulates mitochondrial function and dynamics in mammalian cells. Mitochondria-related pro-apoptotic effects promoted by SFN in tumor cells are also discussed.

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Glucosinolates source
myrosinase
Sulforaphane
Keap1
Nrf2
Nrf2
Cytoplasm
Translocation
Nucleus
Nrf2
Nrf2
bZIP
Antioxidant
Response Element
Transcriptional
activation
Phase II enzimes
Antioxidant proteins
HO-1
NQO1
SOD
TRX1
GSTM1