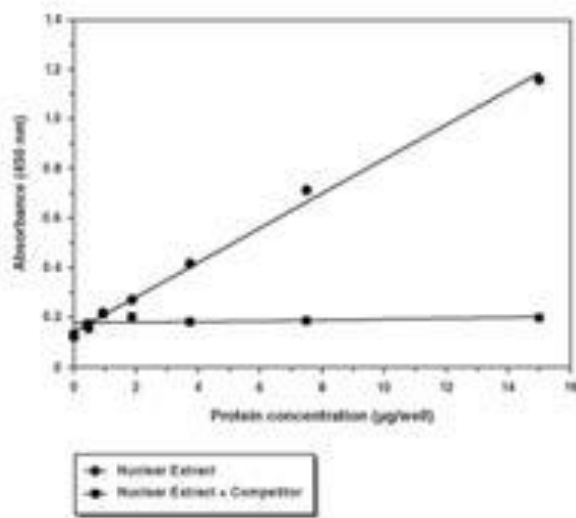


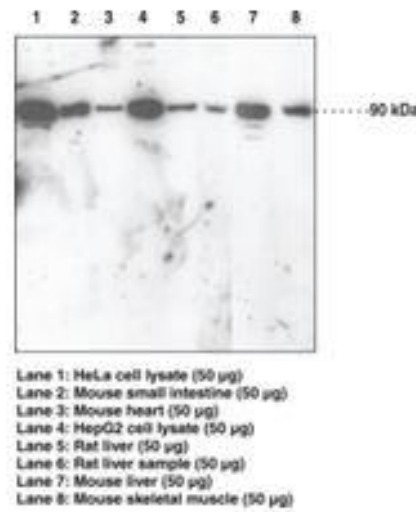
## Cayman's complete tool set for Nrf2 research

Nrf2 is a transcription factor that plays a key role in maintaining redox homeostasis. In response to oxidative stress, it induces the expression of genes encoding cytoprotective proteins, anti-oxidative enzymes, and anti-inflammatory mediators.



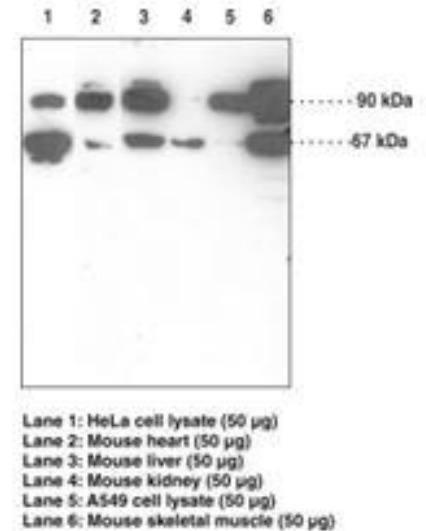
### Nrf2 Transcription Factor Assay Kit

A non-radioactive, colorimetric method for detecting specific transcription factor DNA binding activity in nuclear extracts



### Nrf2 (C-Term) Polyclonal Antibody

Antigen: human Nrf2 C-terminal amino acids 579-592 ·  
Host: rabbit ·  
Applications: FC, ICC, and WB  
Preferentially detects poly-ubiquitinated Nrf2 at 90 kDa



### Nrf2 (N-Term) Polyclonal Antibody

Antigen: human Nrf2 N-terminal amino acids 18-29 ·  
Host: rabbit  
Applications: FC, ICC, and WB  
Detects both poly-ubiquitinated Nrf2 at 90 kDa and native Nrf2 at 67 kDa

## Nrf2 Activators

### L-Sulforaphane

Activates Nrf2 at 40 µM

### Iberin

Activates Nrf2 at 40 µM

### Glucoraphanin

Natural glycoinsolate that activates Nrf2

### CDDO

Induces genes regulated by Nrf2

### Dimethyl fumarate

A lipophilic electrophile that activates Nrf2

### 17-keto-4(Z),7(Z),10(Z),13(Z),15(E),19(Z)-Docosahexaenoic Acid

Oxidized DHA, activates Nrf2

### 2-HBA

Suppresses Nrf2 ubiquitination

### 17-keto-7(Z),10(Z),13(Z),15(E),19(Z)-Docosapentaenoic Acid

Oxidized DPA, activates Nrf2

### 2-Trifluoromethyl-2'-methoxychalcone

Activates Nrf2, both *in vitro* and in mice

### Piperlongumine

Potential modulator of Nrf2

### Finasteride

Activator of Nrf2 at 10 µM