

## Recombinant Nrf2 Monoclonal Antibody

catalog number: **AN300603L**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

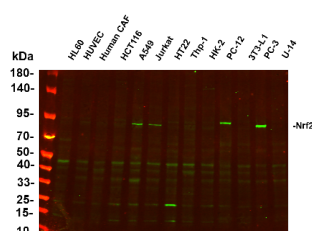
### Description

<b>Reactivity</b>	Human;Mouse;Rat
<b>Immunogen</b>	Recombinant Human Nrf2 protein
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG,k
<b>Clone</b>	B538
<b>Purification</b>	Protein A
<b>Buffer</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

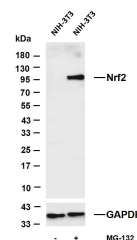
### Applications Recommended Dilution

<b>IHC</b>	1:1000-1:5000
<b>WB</b>	1:2000-1:10000
<b>IF</b>	1:200-1:1000
<b>ELISA</b>	1:5000-1:20000
<b>IP</b>	1:50-1:200

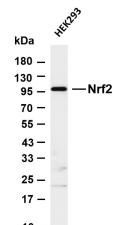
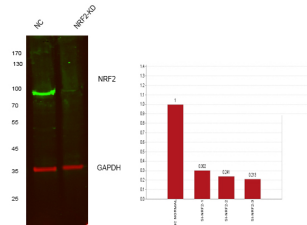
### Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4°C, over night with a 1:20000 dilution. The Dylight 800-conjugated Goat anti-Rabbit antibody was used to detect the antibody. Lane1: HL60 Lane2: HUVEC Lane3: Human CAF Lane4: HCT116 Lane5: A549 Lane6: Jurkat Lane7: HT22 Lane8: THP-1 Lane9: HK-2 Lane10: PC-12 Lane11: 3T3-L1 Lane12: PC-3 Lane13: U-14. Predicted band size: 100kDa Observed band size: 100kDa



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Nrf2 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: NIH-3T3 treated with MG-132 for 18 hours Predicted band size: 68kDa Observed band size: 100kDa



### For Research Use Only

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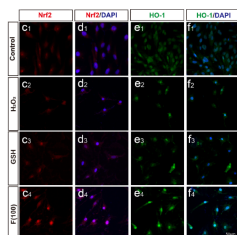
Fax: 1-832-243-6017

Rev. V1.2

Western blot analysis of lysates from 1)Hela cell , 2)Hela cells knockdown by NRF2-siRNA (F:CAUUGAUGUUUCUGAUCUATT,R:UAGAUCAGAAACA UCAAUGTT), (Green) primary antibody was diluted at 1:1000, 4°C over night, Dylight 800 secondary antibody was diluted at 1:10000, 37°C 1hour. (Red) GAPDH Monoclonal Antibody was diluted at 1:5000 as loading control, 4°C over night, Dylight 680 secondary antibody was diluted at 1:10000, 37°C 1hour.

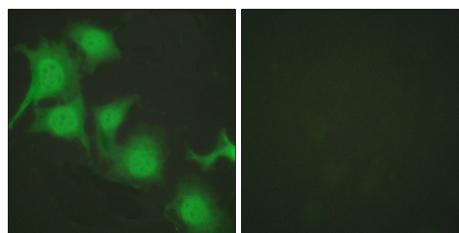
**Observed-MW:100 kDa**

**Calculated-MW:68 kDa**



Fullerol rescues the light-induced retinal damage by modulating Müller glia cell fate. Redox Biology Haiwei Xu MIO-M1 cell

Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Nrf2 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HEK293 Predicted band size: 68kDa Observed band size: 100kDa



Immunofluorescence analysis of HUVEC cells, using Nrf2 Antibody. The picture on the right is blocked with the synthesized peptide.

## Preparation & Storage

### Storage

Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

### Shipping

Ice bag

## Background

NFE2L2(nuclear factor, erythroid 2 like 2) Homo sapiens This gene encodes a transcription factor which is a member of a small family of basic leucine zipper (bZIP) proteins. The encoded transcription factor regulates genes which contain antioxidant response elements (ARE) in their promoters; many of these genes encode proteins involved in response to injury and inflammation which includes the production of free radicals. Multiple transcript variants encoding different isoforms have been characterized for this gene.