Recombinant Nrf2 Monoclonal Antibody

catalog number: **AN300603L**

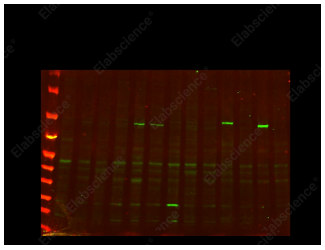
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

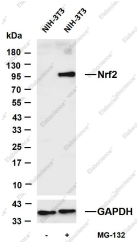
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human Nrf2 protein
Host	Rabbit
Isotype	Rabbit IgG
Clone	C110227
Purification	Protein A
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
IHC	1:1000-1:5000
WB	1:2000-1:10000
IF	1:200-1:1000
ELISA	1:5000-1:20000
IP	1:50-1:200

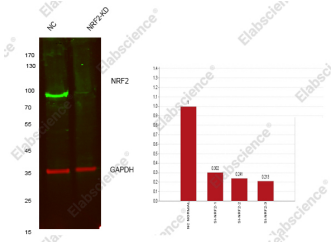
Data

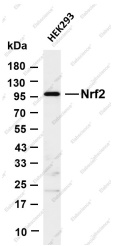


Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4°C, over night with a 1:20000 dilution . The Dylight 800-conjugated Goat anti-Rabbit antibody was used to detect the antibody. Lane1: HL60 Lane2: HUVEC Lane3: Human CAF Lane4: HCT116 Lane5: A549 Lane6: 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 Lane 1: NIH-3T3 treated with MG-132 for 18 hours Predicted band size: 68kDa Observed band size: 100kDa



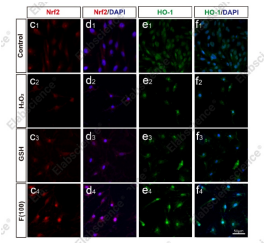


Western blot analysis of lysates from 1)Hela cell , 2)Hela cells knockdown by NRF2-siRNA (F:CAUUGAUGUUUCUGAUCUATT,R:UAGAUCAGAAACAUC AAUGTT), (Green) primary antibody was diluted at 1:1000, 4°C over night, Dylight 800 secondary antibody was diluted at 1:10000, 37°C 1hour. (Red) GAPDH Monoclonal Antibody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

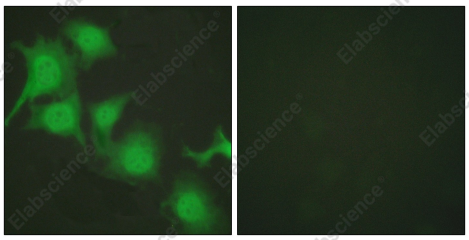
Observed-MW:100 kDa

Calculated-MW:68 kDa

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



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



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.