

[KO Validated] NRF2 Rabbit mAb

Catalog No.: A21176 **KO Validated** **Recombinant** **32 Publications**

Basic Information

Observed MW

97-100kDa

Calculated MW

68kDa

Category

Primary antibody

Applications

WB,ChIP,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC50393

Background

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.

Recommended Dilutions

WB 1:1000 - 1:4000

ChIP 3µg antibody for
5µg-10µg of Chromatin

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

4780

Swiss Prot

Q16236

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

NRF2; HEBP1; Nrf-2; IMDDHH

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

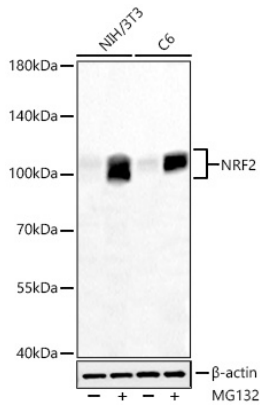
Affinity purification

Storage

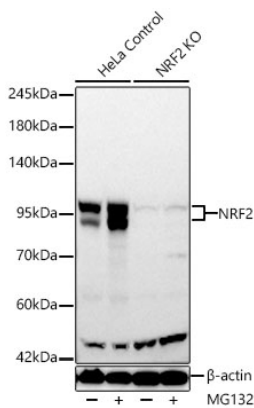
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

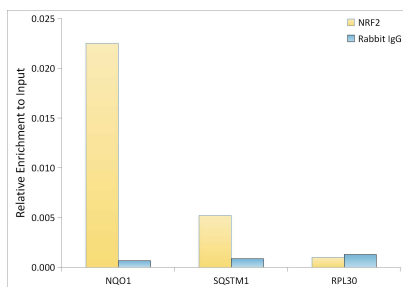
Validation Data



Western blot analysis of various lysates using [KO Validated] NRF2 Rabbit mAb (A21176) at 1:1000 dilution incubated overnight at 4°C. NIH/3T3 and C6 cells were treated with MG132(50 μM) at 37°C for 90 minutes.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 30 μg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 45s.



Western blot analysis of lysates from wild type (WT) and NRF2 knockout (KO) HeLa cells using [KO Validated] NRF2 Rabbit mAb (A21176) at 1:1000 dilution incubated overnight at 4°C. HeLa cells were treated with MG132(50 μM) at 37°C for 90 minutes.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 30 μg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 90s.



Chromatin immunoprecipitation was performed with 15 μg of cross-linked chromatin from HeLa cells, using 3 μg of [KO Validated] NRF2 Rabbit mAb (A21176) and Rabbit IgG isotype control (AC042). The enrichment of immunoprecipitated DNA at different genomic loci was examined by quantitative PCR. The histogram compares the ratio of the immunoprecipitated DNA to the input at given loci.