

[KO Validated] NRF2 Rabbit mAb

Catalog No.: A3577 **KO Validated** **Recombinant** **17 Publications**

Basic Information

Observed MW
103kDa/97-100 kDa

Calculated MW
68kDa

Category
Primary antibody

Applications
WB,IP,ChIP,ELISA

Cross-Reactivity
Human, Rat

CloneNo number
ARC0806

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 - 1:2000

IP 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells

ChIP 5µg 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
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
NRF2; HEBP1; Nrf-2; IMDDHH; F2

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.

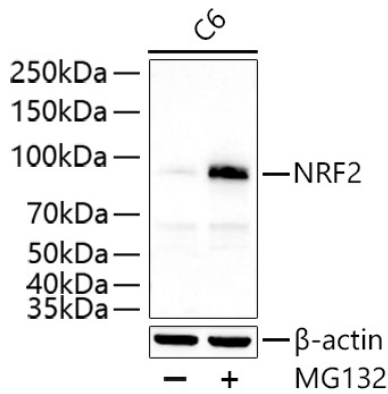
Contact

☎ | 400-999-6126

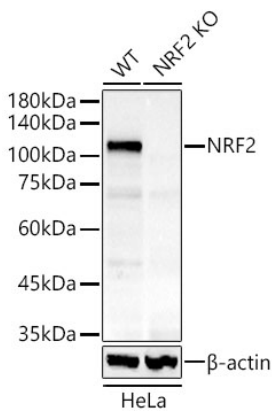
✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

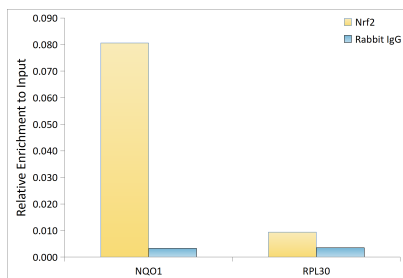
Validation Data



Western blot analysis of lysates from C6 cells using [KO Validated] NRF2 Rabbit mAb (A3577) at 1:1000 dilution incubated overnight at 4°C. C6 cells were treated with MG132 (10 μ M) at 37°C for 90 minutes. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 30 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90 s.



Western blot analysis of extracts from wild type(WT) and NRF2 knockout (KO) HeLa cells, using [KO Validated] NRF2 Rabbit mAb (A3577) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.



Chromatin immunoprecipitation was performed with cross-linked chromatin from HepG2 cells, using Nrf2 Rabbit mAb (A3577) and rabbit IgG (AC042). The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram compares the ratio of the immunoprecipitated DNA versus the input.