

[KO Validated] NRF2 Rabbit mAb

Catalog No.: A3577 **KO Validated** **Recombinant** **16 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. |

Contact

| | |
|--|--|
|  | 400-999-6126 |
|  | cn.market@abclonal.com.cn |
|  | www.abclonal.com.cn |

Immunogen Information

| | |
|----------------|-------------------|
| Gene ID | Swiss Prot |
| 4780 | Q16236 |

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

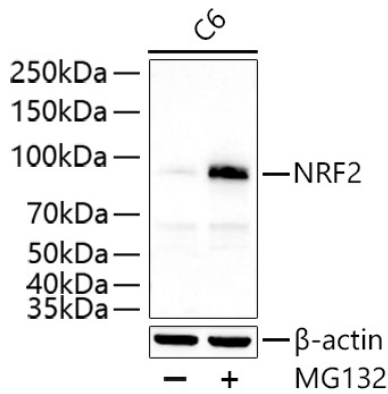
Synonyms
NRF2; HEBP1; Nrf-2; IMDDHH; F2

Product Information

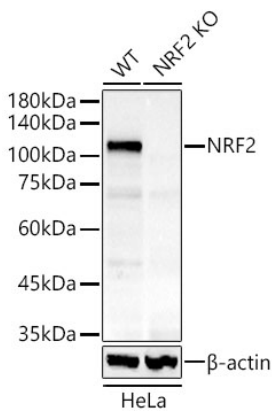
| | | |
|---------------|----------------|-----------------------|
| Source | Isotype | Purification |
| Rabbit | IgG | Affinity purification |

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.

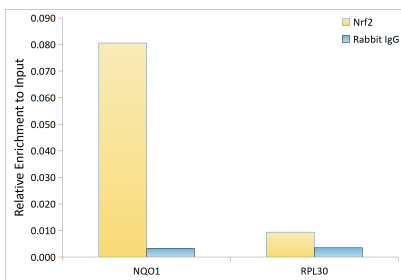
Validation Data



Western blot analysis of 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.