[KO Validated] NRF2 Rabbit mAb

ABclonal

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Catalog No.: A3577 KO Validated Recombinant

14 Publications

Basic Information

Observed MW

103kDa

Calculated MW

68kDa

Category

Primary antibody

Applications

WB,IP,ELISA,ChIP

Cross-Reactivity

Human

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

0.5μg-4μg antibody for ΙP 200µg-400µg extracts of

whole cells

ELISA Recommended starting

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

5µg antibody for ChIP

5μg-10μg of Chromatin

Contact

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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

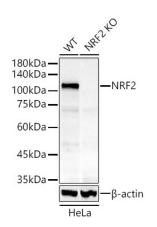
Product Information

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.



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.

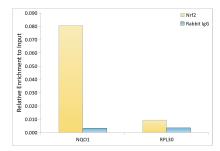
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg 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.