

# [KO Validated] NRF2 Rabbit mAb

Catalog No.: A3577

**KO Validated****Recombinant****16 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**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells**ELISA** Recommended starting  
concentration is 1 µg/mL.  
Please optimize the  
concentration based on  
your specific assay  
requirements.**ChIP** 5µg antibody for  
5µg-10µg of Chromatin

## 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

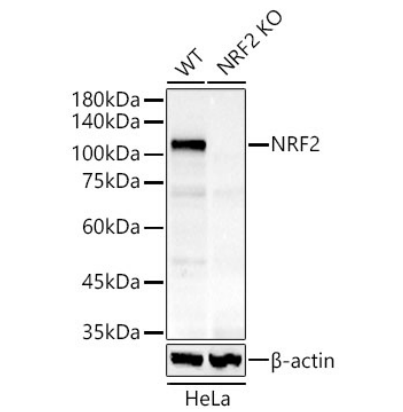
Store at -20°C. Avoid freeze / thaw cycles.

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.

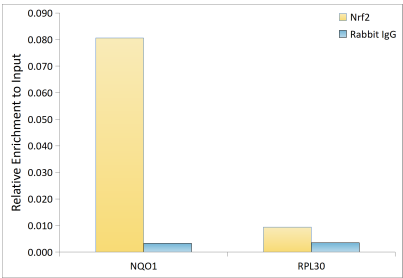
## Contact

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Validation Data



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  $\mu$ 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.