

NRF2 Rabbit pAb

Catalog No.: A0674

154 Publications

Basic Information

Observed MW

97-110kDa

Calculated MW

68kDa

Category

Primary antibody

Applications

WB, IHC-P, IF/ICC, (ELISA)

Cross-Reactivity

Human, Mouse, Rat

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 1:500 - 1:1000

IHC-P 1:50 - 1:100

IF/ICC 1:50 - 1:200

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 fusion protein containing a sequence corresponding to amino acids 243-400 of human NRF2 (NP_006155.2).

Synonyms

NRF2; HEBP1; Nrf-2; IMDDHH

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

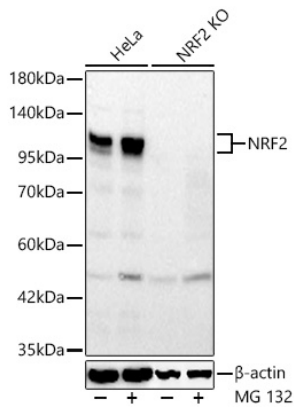
Affinity purification

Storage

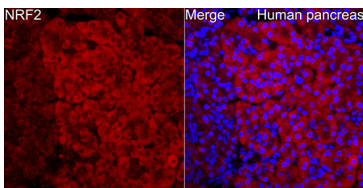
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

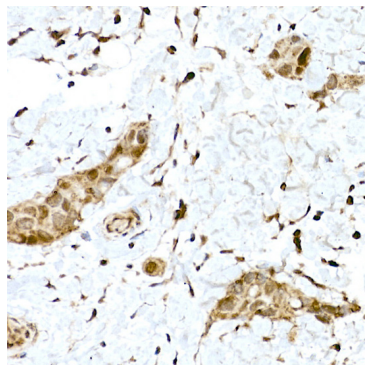
Validation Data



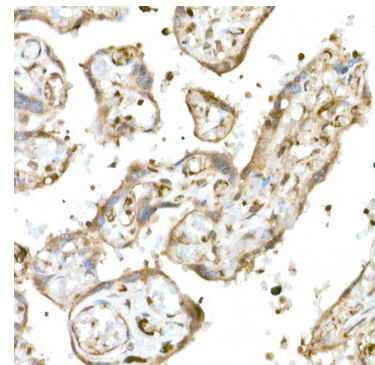
Western blot analysis of lysates from wild type (WT) and NRF2 knockout (KO) HeLa cells using NRF2 Rabbit pAb (A0674) at 1:1000 dilution. wild type (WT) and NRF2 knockout (KO) HeLa cells were treated by MG132(50 μ M) at 37°C for 90 minutes.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 μ g per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45s.



Immunofluorescence analysis of Human pancreas tissue using NRF2 Rabbit pAb (A0674) at a dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer using NRF2 Rabbit pAb (A0674) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human placenta using NRF2 Rabbit pAb (A0674) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.