Leader in Biomolecular Solutions for Life Science

Phospho-NRF2-S40 Rabbit mAb

Catalog No.: AP1133

Recombinant | 31 Publications

www.abclonal.com

Basic Information

Observed MW
97-110 kDa

Calculated MW
68 kDa

Category
Monoclonal Antibodies

Applications
WB, IF/ICC, IHC-P, ELISA

Cross Reactivity
Human, Mouse, Rat

Clone No.
ARC0283

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 - 1:2000
IF/ICC	1:200 - 1:1000
IHC-P	1:500 - 1:2000

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; Phospho-NRF2-S40

Contact

400-999-6126
cn.market@abclonal.com.cn
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Product Information

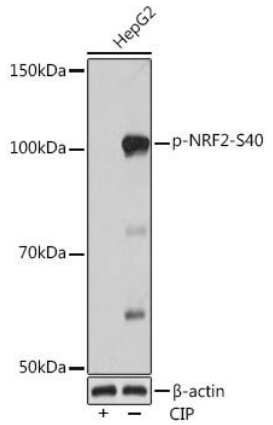
Source
Rabbit

Isotype
IgG

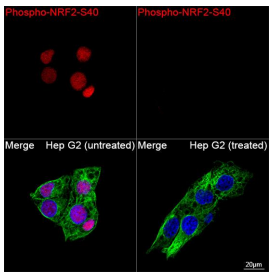
Purity
Affinity purification

Storage
Store at -20℃
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.

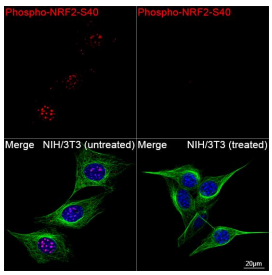
Validation Data



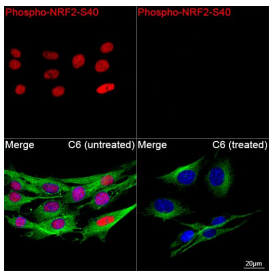
Western blot analysis of lysates from HepG2 using Phospho-NRF2-S40 Rabbit mAb (AP1133) at 1:1000 dilution incubated overnight at 4℃. HepG2 cells were treated by CIP(20uL/400ul) at 37℃ for 1 hour.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% BSA.
Detection: ECL Basic Kit (RM00020).
Exposure time: 3 min.



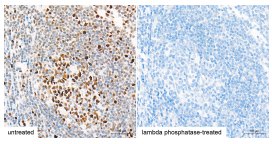
Confocal imaging of Hep G2 cells (untreated) and Hep G2 cells (treated with λpp) using Phospho-NRF2-S40 Rabbit mAb (AP1133, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1: 400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



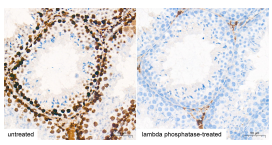
Confocal imaging of NIH/3T3 cells (untreated) and NIH/3T3 cells (treated with λpp) using Phospho-NRF2-S40 Rabbit mAb (AP1133, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1: 400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



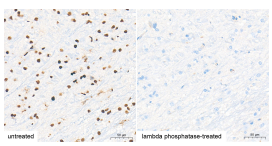
Confocal imaging of C6 cells (untreated) and C6 cells (treated with λpp) using Phospho-NRF2-S40 Rabbit mAb (AP1133, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1: 400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using Phospho-NRF2-S40 Rabbit mAb (AP1133) at a dilution of 1:1600 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using Phospho-NRF2-S40 Rabbit mAb (AP1133) at a dilution of 1:1600 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using Phospho-NRF2-S40 Rabbit mAb (AP1133) at a dilution of 1:1600 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.