Product datasheet

Anti-Phospho NRF2/NFE2L2(S40) Antibody

Catalog Number: *BM4842*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-Phospho NRF2/NFE2L2(S40) Antibody
Gene Name	NFE2L2
Source	Rabbit
Isotype	IgG
Species Reactivity	human
Tested Application	WB, IHC, ICC/IF, IP, FCM
Contents	500 ug/ml;Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Immunogen	A synthesized peptide derived from human Phospho-Nrf2 (S40)
concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	100KD
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry in paraffin section (IHC): 1:20-100 Immunocytochemistry/Immunofluorescence(ICC/IF):1:20-100 Immunocoprecipitation: 1:20 Flow cytometry (FCM): 1:20

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

NFE2L2(nuclear factor (erythroid-derived 2)-like 2) also known as NRF2 or NFE2-RELATED TRANSCRIPTION FACTOR 2, is a transcription factor that in humans is encoded by the NFE2L2 gene. NFE2, NFE2L1, and NFE2L2 comprise a family of human genes encoding basic leucine zipper (bZIP) transcription factors. NFE2L2 induces the expression of various genes including those that encode for several antioxidant enzymes, and it may play a physiological role in the regulation of oxidative stress. The NFE2L2 gene is located on 2q31.2. The identification of somatic mutations that disrupt the NRF2-KEAP1 interaction to stabilize NRF2 and increase the constitutive transcription of NRF2 target genes indicated that enhanced reactive oxygen species (ROS) detoxification and additional NRF2 functions may in fact be tumorigenic. Oncogene-directed increased expression of Nrf2 is a mechanism for the activation of the Nrf2 antioxidant program evident in primary cells and tissues of mice expressing KRas(G12D) and BRaf(V619E), and in human pancreatic cancer.

Reference

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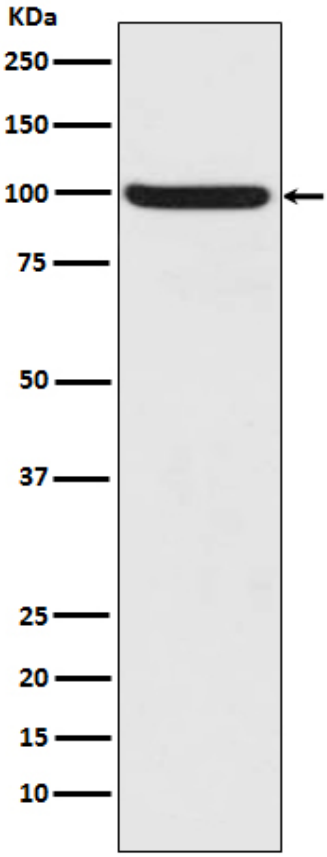
Anti-Phospho NRF2/NFE2L2(S40) Antibody被引用在1文献中。

Selected Validation Data



Western blot analysis of Nrf2 phosphorylation expression in HepG2 cell lysate.