

Nrf2 rabbit pAb

Cat No.: ES2985

For research use only

Overview

Product Name Nrf2 rabbit pAb

Host species Rabbit

Applications WB;IHC;IF;ELISA Species Cross-Reactivity Human;Mouse;Rat

Recommended dilutions Western Blot: 1/500 - 1/2000.

Immunohistochemistry: 1/100 - 1/300.

Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.

Immunogen The antiserum was produced against synthesized

peptide derived from human Nrf2. AA

range:556-605

Specificity Nrf2 Polyclonal Antibody detects endogenous levels

of Nrf2 protein.

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

Storage Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name Nuclear factor erythroid 2-related factor 2

Gene Name NFE2L2

Cellular localization Cytoplasm, cytosol . Nucleus . Cytosolic under

unstressed conditions: ubiquitinated and degraded by the BCR(KEAP1) E3 ubiquitin ligase complex (PubMed:15601839, PubMed:21196497).

Translocates into the nucleus upon induction by

electrophilic agents that in

Purification The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

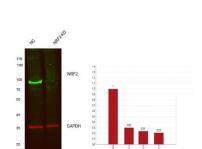
Clonality Polyclonal
Concentration 1 mg/ml
Observed band 75-100kD
Human Gene ID 4780
Human Swiss-Prot Number Q16236

Alternative Names NFE2L2; NRF2; Nuclear factor erythroid 2-related





Background



factor 2; NF-E2-related factor 2; NFE2-related factor 2; HEBP1; Nuclear factor; erythroid derived 2, like 2

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. [provided by RefSeq, Sep 2015],

Western blot analysis of lysates from 1)Hela cell , 2)Hela cells knockdown by NRF2-siRNA

(F:CAUUGAUGUUUCUGAUCUATT,R:UAGAUCAGAAACAUC AAUGTT), (Green) primary antibody was diluted at 1:1000, 4°over night, Dylight 800 secondary antibody(Immunoway:RS23920)was

