



# Nrf2 rabbit pAb

Cat No.:ES2985

For research use only

## Overview

|                                 |   |
|---------------------------------|---|
| <b>Product Name</b>             | Nrf2 rabbit pAb   |
| <b>Host species</b>             | Rabbit  |
| <b>Applications</b>             | WB;IHC;IF;ELISA   |
| <b>Species Cross-Reactivity</b> | Human;Mouse;Rat   |
| <b>Recommended dilutions</b>    | Western Blot: 1/500 - 1/2000.<br>Immunohistochemistry: 1/100 - 1/300.<br>Immunofluorescence: 1/200 - 1/1000. ELISA:<br>1/40000. Not yet tested in other applications.   |
| <b>Immunogen</b>                | The antiserum was produced against synthesized peptide derived from human Nrf2. AA range:556-605  |
| <b>Specificity</b>              | Nrf2 Polyclonal Antibody detects endogenous levels of Nrf2 protein.   |
| <b>Formulation</b>              | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.   |
| <b>Storage</b>                  | Store at -20°C. Avoid repeated freeze-thaw cycles.  |
| <b>Protein Name</b>             | Nuclear factor erythroid 2-related factor 2   |
| <b>Gene Name</b>                | NFE2L2  |
| <b>Cellular localization</b>    | 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 |
| <b>Purification</b>             | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.   |
| <b>Clonality</b>                | Polyclonal  |
| <b>Concentration</b>            | 1 mg/ml   |
| <b>Observed band</b>            | 75-100kD  |
| <b>Human Gene ID</b>            | 4780  |
| <b>Human Swiss-Prot Number</b>  | Q16236  |
| <b>Alternative Names</b>        | 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

