

Rabbit Nrf2 Polyclonal Antibody | anti-Nrf2 antibody

Nrf2 polyclonal antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA76997	Rabbit	Human, Mouse, Rat, Dog, Guinea pig, Hamster	Western Blot

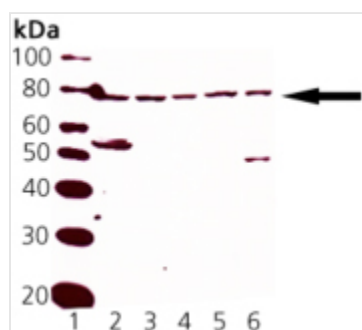
PRODUCT SYNONYMS

Nrf2; Polyclonal Antibody; Nrf2 polyclonal antibody; Nuclear factor erythroid 2-related factor 2; anti-Nrf2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat, Dog, Guinea pig, Hamster
Clonality	Polyclonal
Purity/Purification	Protein A affinity purified.
Form/Format	Liquid. In PBS containing 50% glycerol and 0.09% sodium azide.
Sequence Length	605
Applicable Applications for anti-Nrf2 antibody	WB (Western Blot)
Source	Purified from rabbit serum
Immunogen	Synthetic peptide derived from the sequence of human Nrf2 (residues 40-60) with a cysteine residue added and coupled to KLH.
Preparation and Storage	Long term storage: -20 degree C Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of Nrf2: Lane 1: MW Marker Lane 2: Rat Liver Microsomes Lane 3: Mouse Liver Microsomes Lane 4: Human Liver Microsomes Lane 5: Canine Liver Microsomes Lane 6: HeLa Cell Lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-Nrf2 antibody	Scientific Background: Nuclear factor erythroid 2-related factor 2 (Nrf2) is a transcription factor, which regulates the expression of many detoxification and antioxidant enzymes. Nrf2 can potentially play a significant role in adaptive responses to oxidative stress. Nrf2 belongs to the Cap N Collar subfamily of basic leucine zipper (CNC-bZIP) transcription factors. The NF-E2 related family comprises of Nrf1 (TCFII), Nrf2, and Nrf3 and these proteins heterodimerize with Maf proteins to bind to Maf recognition element (MARE). Under normal conditions, Nrf2 is inactive and localized in the cytoplasm through its association with Keap1. When cells are exposed to electrophiles or oxidative stress generating agents cytoplasm localization of Nrf2 is inactivated and Nrf2 translocates into the nucleus and binds to specific DNA sequence elements known as NF-E2 binding site, Maf recognition element (MARE), stress response element or anti-oxidant response element (ARE). Studies have investigated the role of Nrf2 in urinary bladder carcinogenesis, pulmonary fibrosis, and smoke-induced emphysema. A study reported Nrf2-mediated ARE transcription to be a likely target of preventative therapy in neurodegenerative disorders such as Huntington's disease.
Product Categories/Family for anti-Nrf2 antibody	DNA Regulation & Transcription

NCBI AND UNIPROT INFORMATION

NCBI GI #	20149576
NCBI GeneID	4780
NCBI Accession #	NP_006155
NCBI GenBank Nucleotide #	NM_006164.4
UniProt Accession #	Q16236 ; Q53RW6 ; Q59HH2 ; Q96F71 ; B2RBU2 ; B4E338 ; E9PGJ7
NCBI Official Full Name	nuclear factor erythroid 2-related factor 2 isoform 1
NCBI Official Synonym Full Names	nuclear factor, erythroid 2 like 2
NCBI Official Symbol	NFE2L2
NCBI Official Synonym Symbols	NRF2; HEBP1
NCBI Protein Information	nuclear factor erythroid 2-related factor 2
UniProt Protein Name	Nuclear factor erythroid 2-related factor 2
UniProt Gene Name	NFE2L2
UniProt Synonym Gene Names	NRF2; NF-E2-related factor 2; NFE2-related factor 2
UniProt Entry Name	NF2L2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nrf2-antibody-western-blot-elisa/76997>