

Rabbit NRF1 Polyclonal Antibody | anti-NRF1 antibody

Anti-NRF1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254743	Rabbit	Human Predicted to React with: Mouse (Species predicted to react based on 100% sequence homology)	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

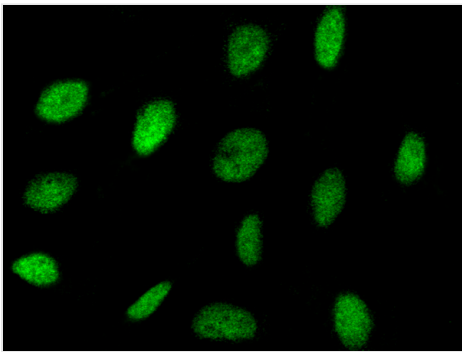
PRODUCT SYNONYMS

NRF1; Polyclonal Antibody; Anti-NRF1 Antibody; Rabbit Polyclonal; NRF1 Antibody; Rabbit PAb; Antigen Affinity Purified; nuclear respiratory factor 1; Anti-ALPHA-PAL Antibody; anti-NRF1 antibody

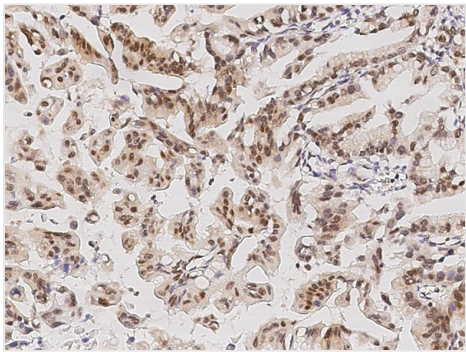
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted to React with: Mouse (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human NRF1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-NRF1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the N-terminus of the Human NRF1
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the N-terminus of the Human NRF1, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

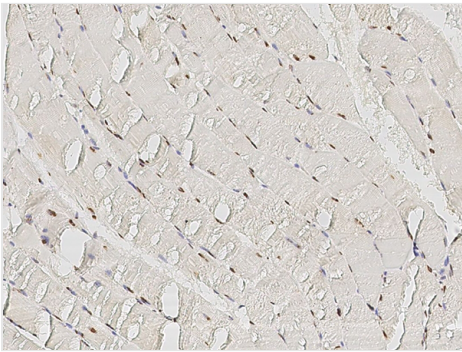
IMAGES



IF (Immunofluorescence)
Immunofluorescence staining of NRF1 in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human NRF1 polyclonal antibody (dilution ratio 1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to nucleus.



IHC (Immunohistochemistry)
Immunochemical staining of human NRF1 in human gastric cancer with rabbit polyclonal antibody (1:300, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)
Immunochemical staining of human NRF1 in human skeletal muscle with rabbit polyclonal antibody (1:300, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-NRF1 antibody	NRF1 (Nuclear Respiratory Factor 1) is a Protein Coding gene. This gene encodes a protein that homodimerizes and functions as a transcription factor which activates the expression of some key metabolic genes. The encoded protein belongs to the NRF1/Ewg family. NRF1 serves as a transcription factor that activates the expression of a wide range of nuclear genes essential for mitochondrial biogenesis and function, including mitochondrial respiratory complex subunits, heme biosynthetic enzymes, and regulatory factors involved in the replication and transcription of mitochondrial DNA. NRF1 plays a crucial role in regulating the expression of a broad range of mitochondrial genes in the nucleus in response to cellular oxidative stress. The protein has also been associated with the regulation of neurite outgrowth.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	93141039
NCBI GeneID	4899
NCBI Accession #	NP_001035199.1
NCBI GenBank Nucleotide #	NM_001040110.1
UniProt Accession #	Q16656; Q15305
Molecular Weight	53,541 Da
NCBI Official Full Name	nuclear respiratory factor 1
NCBI Official Synonym Full Names	nuclear respiratory factor 1

NCBI Official Symbol	NRF1
NCBI Official Synonym Symbols	ALPHA-PAL
NCBI Protein Information	nuclear respiratory factor 1; NRF-1; alpha palindromic-binding protein
UniProt Protein Name	Nuclear respiratory factor 1
UniProt Gene Name	NRF1
UniProt Synonym Gene Names	NRF-1; Alpha-pal
UniProt Entry Name	NRF1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/nrf1-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/254743>