

Rabbit NRF1 Polyclonal Antibody | anti-NRF1 antibody

NRF1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325373	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

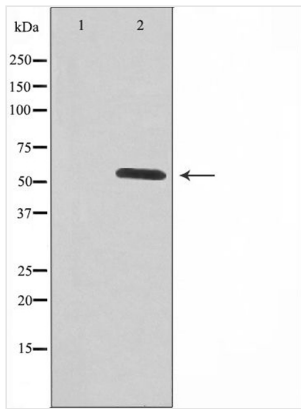
PRODUCT SYNONYMS

NRF1; Polyclonal Antibody; NRF1 Antibody; alpha pal; alpha palindromic binding protein; Alpha palindromic-binding protein; Alpha-pal; locus control region factor 1; NFE2 related factor 1; NRF-1; Nrf1; NRF1_HUMAN; Nuclear respiratory factor 1; anti-NRF1 antibody

PRODUCT SPECIFICATIONS

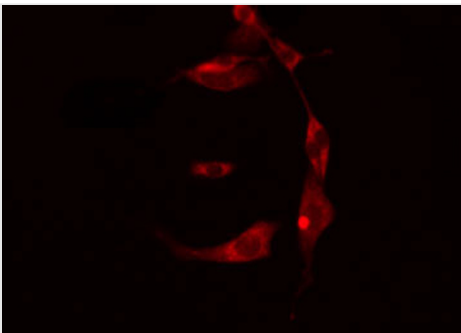
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	NRF1 antibody detects endogenous levels of total NRF1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	503
Applicable Applications for anti-NRF1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus.
Tissue Specificity	Ubiquitously expressed with strongest expression in skeletal muscle.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from 3T3 cells, using NRF1 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA325373 staining NIH-3T3 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-NRF1 antibody

Function: Transcription factor that activates the expression of the EIF2S1 (EIF2-alpha) gene. Links the transcriptional modulation of key metabolic genes to cellular growth and development. Implicated in the control of nuclear genes required for respiration, heme biosynthesis, and mitochondrial DNA transcription and replication.
Subunit Structure: Homodimer. Binds DNA as a dimer. Interacts with PPRC1.
Post-translational Modifications: Phosphorylation enhances DNA binding.
Similarity: Belongs to the NRF1/Ewg family.

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; Q96AN2; A8K4C6; B4DDV6
Molecular Weight	Observed: 53 kD Predicted: 54 kDa
NCBI Official Full Name	nuclear respiratory factor 1 isoform 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
UniProt Protein Name	Nuclear respiratory factor 1
UniProt Gene Name	NRF1
UniProt Synonym Gene Names	NRF-1; Alpha-pal

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.