

Rabbit NRF1 Polyclonal Antibody | anti-NRF1 antibody

Anti-NRF1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45410	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunohistochemistry, Western Blot

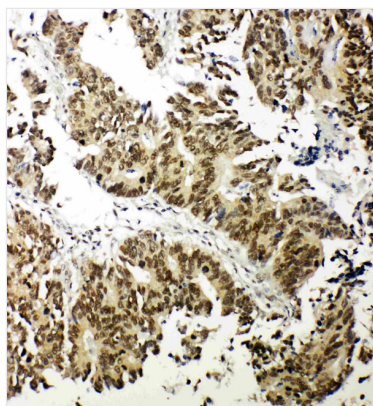
PRODUCT SYNONYMS

NRF1; Polyclonal Antibody; Anti-NRF1 antibody; Nuclear respiratory factor 1; nuclear respiratory factor 1; alpha pal antibody; alpha palindromic binding protein antibody; Alpha palindromic-binding protein antibody; Alpha-pal antibody; locus control region factor 1 antibody; NFE2 related factor 1 antibody; NRF-1 antibody; Nrf1 antibody; NRF1_HUMAN antibody; nuclear factor(erythroid derived 2)-like 1 antibody; nuclear respiratory factor 1 antibody; transcription factor 11 antibody; anti-NRF1 antibody

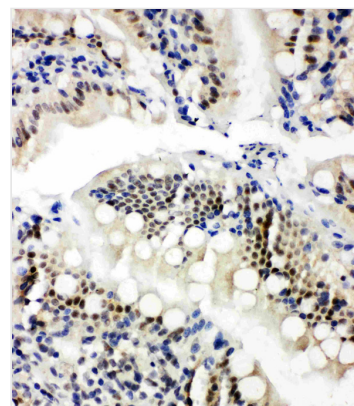
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	503
Applicable Applications for anti-NRF1 antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human NRF1 (272-288aa QHGREDLLYAFEDQQTQ), identical to the related rat and mouse sequences.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

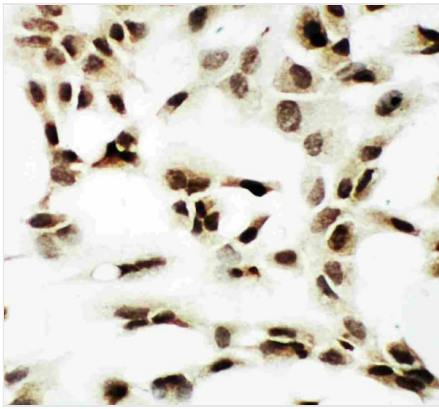
IMAGES



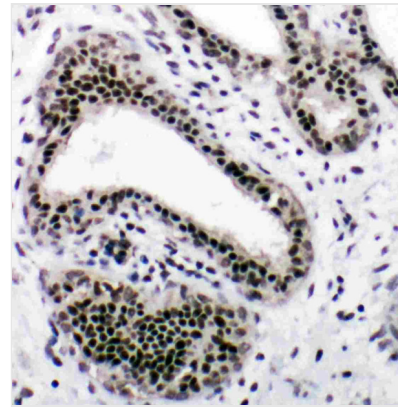
IHC (Immunohistochemistry)
Anti-NRF1 antibody, AAA45410, IHC(P)IHC(P): Human Intestinal Cance Tissue



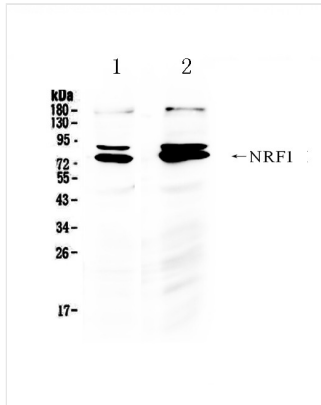
IHC (Immunohistochemistry)
Anti-NRF1 antibody, AAA45410, IHC(P)IHC(P): Rat Intestine Tissue



ICC (Immunocytochemistry)
Anti-NRF1 antibody, AAA45410, ICCICC: A549 Cell



IHC (Immunohistochemistry)
Anti-NRF1 antibody, AAA45410, IHC(P)IHC(P): Human Mammary Cancer Tissue



Application Data
All lanes: Anti NRF1 (AAA45410) at 0.5ug/mL
Lane 1: U2OS Whole Cell Lysate at 40ug
Lane 2: HELA Whole Cell Lysate at 40ug
Predicted bind size: 75KD
Observed bind size: 75KD

ADDITIONAL INFORMATION

Related Product Information for anti-NRF1 antibody

Description: Rabbit IgG polyclonal antibody for Nuclear respiratory factor 1(NRF1) detection. Tested with WB, IHC-P, ICC in Human, Mouse, Rat.

Background: NRF1(Nuclear Respiratory Factor 1), also known as Alpha-Pal. Gopalakrishnan and Scarpulla(1995) analyzed DNA from a panel of human/hamster cell hybrids using human-specific NRF1 PCR primers and localized the NRF1 gene to human chromosome 7. The assignment was further refined to 7q31 by cohybridization of NRF1- and chromosome 7-specific probes to human metaphase chromosomes. Efiok et al.(1994) identified genes containing alpha-Pal-binding sequences and found that these could be classified either as cellular proliferation genes, or as genes regulating the growth-responsive metabolic pathways of energy transduction, translation, and replication. Virbasius and Scarpulla(1994) noted that the nuclear-encoded mitochondrial transcription factor TFAM contains potential binding sites for NRF1, NRF2(GABPA) and SP1 within the promoter region. With use of binding and electrophoretic mobility shift assays, DNase footprinting, and mutation analysis of recombinant proteins, they demonstrated specific and functional binding of NRF1 and NRF2 to the TFAM promoter region.

NCBI AND UNIPROT INFORMATION

NCBI GI #	12643732
NCBI GeneID	4899
UniProt Accession #	Q16656; Q15305; Q96AN2; A8K4C6; B4DDV6
Molecular Weight	55,674 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; 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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nrf1-antibody-immunocytochemistry-immunohistochemistry-western-blot-elisa/45410>