

Datasheet for ABIN2780636
anti-NRF1 antibody (C-Term)



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2 Images

Overview

Quantity:	100 µL
Target:	NRF1
Binding Specificity:	C-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NRF1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human NRF1
Sequence:	IVLSGETAAA VGALTGVQDA NGLFMADRAG RKWILTDKAT GLVQIPVSMY
Predicted Reactivity:	Human: 100%, Rat: 91%
Characteristics:	This is a rabbit polyclonal antibody against NRF1. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	NRF1
Alternative Name:	NRF1 (NRF1 Products)

Target Details

Background:	<p>NRF1 is a phosphorylated nuclear protein with a bZIP domain. This protein homodimerizes and functions as a transcription factor that activates the expression of some key metabolic genes regulating cellular growth and nuclear genes required for respiration, heme biosynthesis, and mitochondrial DNA transcription and replication. The protein has also been associated with the regulation of neurite outgrowth. This gene encodes a phosphorylated nuclear protein with a bZIP domain. This protein homodimerizes and functions as a transcription factor that activates the expression of some key metabolic genes regulating cellular growth and nuclear genes required for respiration, heme biosynthesis, and mitochondrial DNA transcription and replication. The protein has also been associated with the regulation of neurite outgrowth. Alternate transcriptional splice variants, which encode the same protein, have been characterized. Additional variants encoding different protein isoforms have been described but they have not been fully characterized.</p> <p>Alias Symbols: ALPHA-PAL, EWG</p> <p>Protein Interaction Partner: POGZ, TRAF2, SP4, FHL2, DYNLL1, CSNK2B, CSNK2A1, UBC, HHV8GK18_gp81, CEBPB, PARP1, PPRC1, MAFF, PPARGC1A, Dynlt1b, CDK1, MRPL57, TFAM,</p> <p>Protein Size: 522</p>
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Molecular Weight:	56 kDa
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Gene ID:	4899
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NCBI Accession:	NM_005011 , NP_005002
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UniProt:	Q96AN2
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Pathways:	Regulation of Lipid Metabolism by PPARalpha
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Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
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Comment:	Antigen size: 522 AA
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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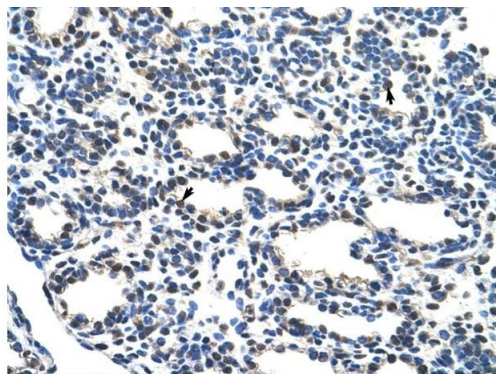
Concentration:	Lot specific
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Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Rabbit Anti-NRF1 Antibody
Catalog Number: ARP38543
Lot Number: QC8216
Paraffin Embedded Tissue: Human Lung
Cells with Positive label: Alveolar cells (Indicated with Arrows)
Antibody Concentration: 16.0 µg/ml
Magnification: 400X

Immunohistochemistry

Image 1. Human Lung



Western Blotting

Image 2. WB Suggested Anti-NRF1 Antibody Titration:
1.25ug/ml ELISA Titer: 1:1562500 Positive Control:
Transfected 293T