

Datasheet for ABIN2780635  
**anti-NRF1 antibody (N-Term)**

## 6 Images

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## Overview

Quantity:	100 µL
Target:	NRF1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio), Cow, Dog, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NRF1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human NRF1
Sequence:	MEEHGVQTQE HMATIEAHAV AQQVQQVHVA TYTEHSMLSA DEDSPSPED
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against NRF1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	NRF1
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## Target Details

Alternative Name:	NRF1 ( <a href="#">NRF1 Products</a> )
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 protein that homodimerizes and functions as a transcription factor which 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. Confusion has occurred in bibliographic databases due to the shared symbol of NRF1 for this gene and for 'nuclear factor (erythroid-derived 2)-like 1' which has an official symbol of NFE2L1.</p> <p>Alias Symbols: ALPHA-PAL</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: 503</p>
Molecular Weight:	53 kDa
Gene ID:	4899
NCBI Accession:	<a href="#">NM_005011</a> , <a href="#">NP_005002</a>
UniProt:	<a href="#">Q16656</a>
Pathways:	<a href="#">Regulation of Lipid Metabolism by PPARalpha</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 503 AA
Restrictions:	For Research Use only

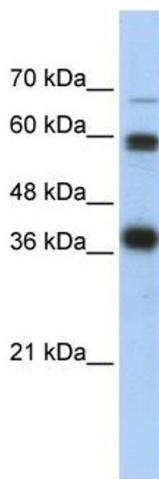
## Handling

Format:	Liquid
Concentration:	Lot specific

## Handling

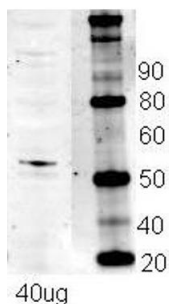
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated 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



### Western Blotting

**Image 1.** WB Suggested Anti-NRF1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: Transfected 293T There is BioGPS gene expression data showing that NRF1 is expressed in HEK293T



### NRF1 (ARP38542\_P050)

Western Blot

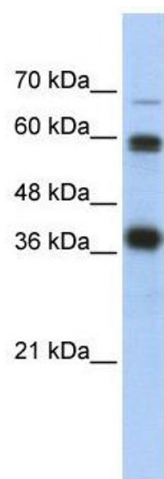
Sample: Mouse Endothelial Cells

Dilution: 1 to 500

Submitted by:  
Martin Kemper  
University of California Irvine

### Western Blotting

**Image 2.**



**Western Blotting**

**Image 3.** WB Suggested Anti-NRF1

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:1562500

Positive Control: Transfected 293T

There is BioGPS gene expression data showing that NRF1 is expressed in HEK293T

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN2780635.