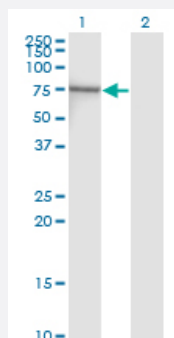


NRF1 monoclonal antibody (M02), clone 1B9

Catalog # H00004899-M02

Size 100 ug

Applications

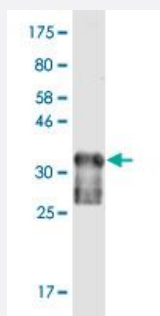


Western Blot (Transfected lysate)

Western Blot analysis of NRF1 expression in transfected 293T cell line by NRF1 monoclonal antibody (M02), clone 1B9.

Lane 1: NRF1 transfected lysate (Predicted MW: 55.7 KDa).

Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (35.09 KDa).

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant NRF1.

Immunogen

NRF1 (NP_005002, 201 a.a. ~ 285 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

TQAQLRAFIPEMLKYSTGRGKPGWGKESCKPMWWPEDIPWANVRSDVRTEEQKQRVSWTQALR
TVKNCYKQHGREDLLYAFEDQ

Host

Mouse

Reactivity

Human

Isotype

IgG1 Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (35.09 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of NRF1 expression in transfected 293T cell line by NRF1 monoclonal antibody (M02), clone 1B9.

Lane 1: NRF1 transfected lysate (Predicted MW: 55.7 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — NRF1

Entrez GeneID

[4899](#)

GeneBank Accession#

[NM_005011](#)

Protein Accession#

[NP_005002](#)

Gene Name

NRF1

Gene Alias

ALPHA-PAL

Gene Description

nuclear respiratory factor 1

Omim ID

[600879](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations

OTTHUMP00000184912|alpha palindromic-binding protein

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)