

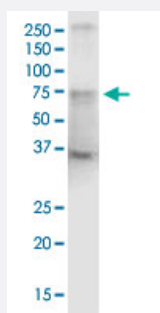
CX Grade

NRF1 monoclonal antibody (M01J), clone 2F9

Catalog # H00004899-M01J

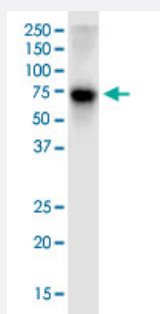
Size 100 ug

Applications



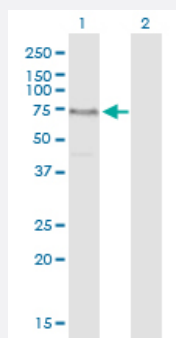
Western Blot (Cell lysate)

NRF1 monoclonal antibody (M01J), clone 2F9. Western Blot analysis of NRF1 expression in K-562.



Western Blot (Cell lysate)

NRF1 monoclonal antibody (M01J), clone 2F9. Western Blot analysis of NRF1 expression in Raw 264.7.

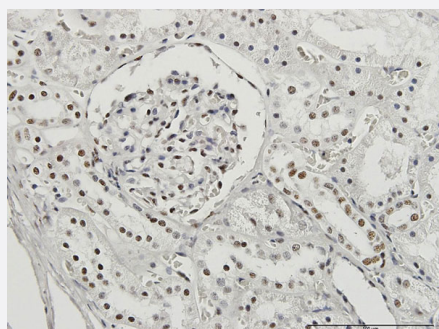


Western Blot (Transfected lysate)

Western Blot analysis of NRF1 expression in transfected 293T cell line by NRF1 monoclonal antibody (M01J), clone 2F9.

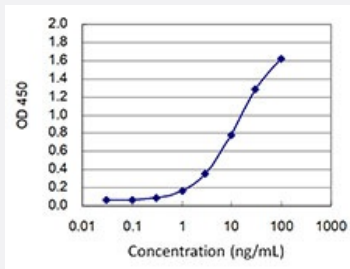
Lane 1: NRF1 transfected lysate (Predicted MW: 55.7 KDa).

Lane 2: Non-transfected lysate.



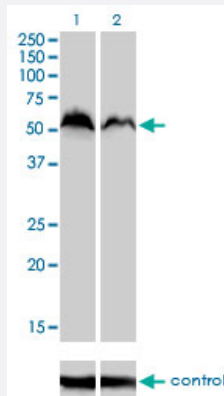
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to NRF1 on formalin-fixed paraffin-embedded human kidney. [antibody concentration 3 ug/ml]



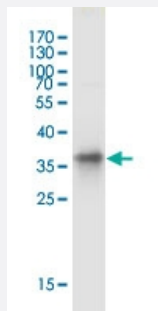
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NRF1 is 0.1 ng/ml as a capture antibody.



RNAi Knockdown (Antibody validated)

Western blot analysis of NRF1 over-expressed 293 cell line, cotransfected with NRF1 Validated Chimera RNAi (Cat # H00004899-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with NRF1 monoclonal antibody (M01), clone 2F9 (Cat # H00004899-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (35.09 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant NRF1 .
This product is belong to Cell Culture Grade Antibody (CX Grade).

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

TQAQLRAFIPEMLKYSTGRGKPGWGKESCKPMWWPEDIPWANVRSDVRTEEKQQRVSWTQALR
TVKNCYKQHGREDLLYAFEDQ

Host

Mouse

Reactivity

Human, Mouse

Preparation Method

Cell Culture Production

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 (Cell lysate)

NRF1 monoclonal antibody (M01J), clone 2F9. Western Blot analysis of NRF1 expression in K-562.

[Protocol Download](#)

- Western Blot (Cell lysate)

NRF1 monoclonal antibody (M01J), clone 2F9. Western Blot analysis of NRF1 expression in Raw 264.7.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of NRF1 expression in transfected 293T cell line by NRF1 monoclonal antibody (M01J), clone 2F9.

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

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to NRF1 on formalin-fixed paraffin-embedded human kidney. [antibody concentration 3 ug/ml]

[Protocol Download](#)

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[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of NRF1 over-expressed 293 cell line, cotransfected with NRF1 Validated Chimera RNAi (Cat # H00004899-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with NRF1 monoclonal antibody (M01), clone 2F9 (Cat # H00004899-M01). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

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 transcriptonal 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](#)