Immunoway
Best Tools for immunology Research

NRF-1 Polyclonal Antibody

Catalog No :	YT3188
Reactivity :	Human;Mouse;Rat;Bovine
Applications :	WB;ELISA
Target :	NRF-1
Fields :	>>Apelin signaling pathway;>>Huntington disease
Gene Name :	NRF1
Protein Name :	Nuclear respiratory factor 1
Human Gene Id :	4899
Human Swiss Prot No :	Q16656
Mouse Gene Id :	18181
Mouse Swiss Prot No :	Q9WU00
Rat Swiss Prot No :	Q62792
Immunogen :	The antiserum was produced against synthesized peptide derived from human NRF1. AA range:221-270
Specificity :	NRF-1 Polyclonal Antibody detects endogenous levels of NRF-1 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:5000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 54kD

Cell Pathway : Huntington's disease;

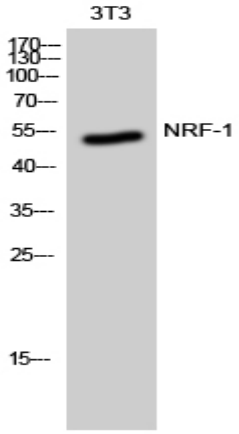
Background : This gene encodes a protein that homodimerizes and functions as a transcription factor which activates the expression of some key metabolic genes regulating cellular growth and nuclear genes required for respiration, heme biosynthesis, and mitochondrial DNA transcription and replication. The protein has also been associated with the regulation of neurite outgrowth. Alternative splicing results in multiple transcript variants. 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, May 2014],

Function : function:Transcription factor that activates the expression of the EIF2S1 (EIF2-alpha) gene. Links the transcriptional modulation of key metabolic genes to cellular growth and development. Implicated in the control of nuclear genes required for respiration, heme biosynthesis, and mitochondrial DNA transcription and replication.,PTM:Phosphorylation enhances DNA binding.,similarity:Belongs to the NRF1/Ewg family.,subunit:Homodimer. Binds DNA as a dimer. Interacts with PPRC1.,tissue specificity:Ubiquitously expressed with strongest expression in skeletal muscle.,

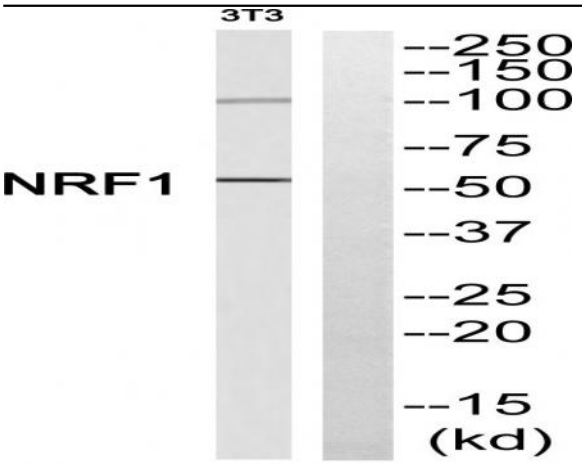
Subcellular Location : Nucleus.

Expression : Ubiquitously expressed with strongest expression in skeletal muscle.

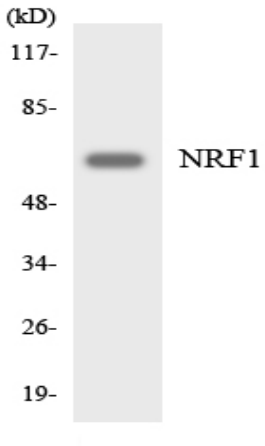
Products Images



Western Blot analysis of 3T3 cells using NRF-1 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



Western blot analysis of NRF1 Antibody. The lane on the right is blocked with the NRF1 peptide.



Western blot analysis of the lysates from HeLa cells using NRF1 antibody.