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Anti-NRF1 Antibody

Catalog # AP61118

Product Information

Application	WB, IF/IC
Primary Accession	Q16656
Reactivity	Human, Mouse, Zebrafish
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53541

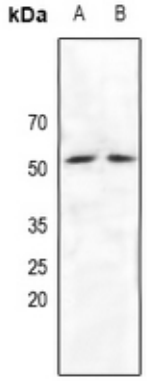
Additional Information

Gene ID	4899
Other Names	Nuclear respiratory factor 1; NRF-1; Alpha palindromic-binding protein; Alpha-pal
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human NRF1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

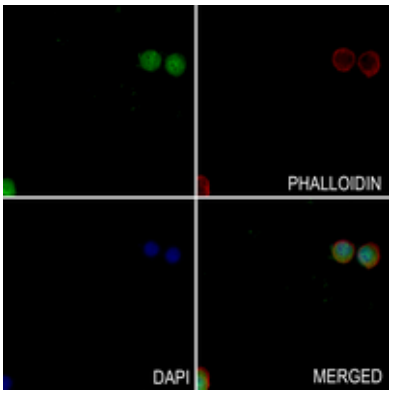
Protein Information

Name	NRF1
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.
Cellular Location	Nucleus.
Tissue Location	Ubiquitously expressed with strongest expression in skeletal muscle

Images



Western blot analysis of NRF1 expression in HEK293T (A), Hela (B) whole cell lysates. (Predicted band size: 53 kD; Observed band size: 53 kD)



Immunofluorescent analysis of NRF1 staining in SGC7901 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.