

ARG58274 anti-NRF1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes NRF1
Tested Reactivity	Hu
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Target Name	NRF1
Species	Human
Immunogen	Purified recombinant Human NRF1 protein fragments.
Conjugation	Un-conjugated
Alternate Names	NRF-1; Nuclear respiratory factor 1; Alpha palindromic-binding protein; ALPHA-PAL; Alpha-pal

Application Instructions

Application table	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>WB</td><td>1:1000</td></tr> </table>	Application	Dilution	WB	1:1000
Application	Dilution				
WB	1:1000				
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				
Positive Control	U2OS				
Observed Size	~ 70 kDa				

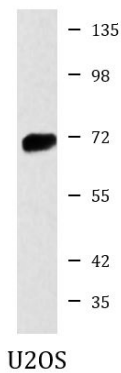
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 0.02% Sodium azide, 50% Glycerol and 0.1% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.1% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	NRF1
Gene Full Name	nuclear respiratory factor 1
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	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. [UniProt]
Calculated Mw	54 kDa
PTM	Phosphorylation enhances DNA binding. [UniProt]
Cellular Localization	Nucleus. [UniProt]

Images



ARG58274 anti-NRF1 antibody WB image

Western blot: U2OS cell lysate stained with ARG58274 anti-NRF1 antibody at 1:1000 dilution.