

ARG58207 anti-NRF1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NRF1
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NRF1
Species	Human
Immunogen	Synthetic peptide derived from Human NRF1.
Conjugation	Un-conjugated
Alternate Names	NRF-1; Nuclear respiratory factor 1; Alpha palindromic-binding protein; ALPHA-PAL; Alpha-pal

Application Instructions

Application table	Application	Dilution
	FACS	1:50
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	IP	1:50
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	U-87 MG	
Observed Size	~ 68 kDa	

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

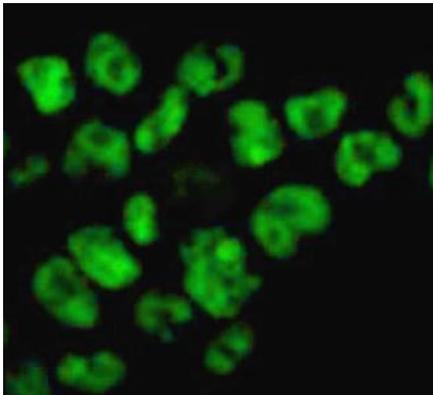
and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

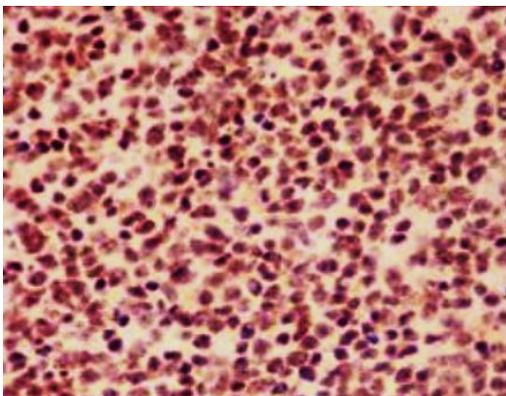
Gene Symbol	NRF1
Gene Full Name	nuclear respiratory factor 1
Background	This gene encodes a protein that homodimerizes and functions as a transcription factor which activates the expression of some key metabolic genes regulating cellular growth and nuclear genes required for respiration, heme biosynthesis, 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]

Images



ARG58207 anti-NRF1 antibody ICC/IF image

Immunofluorescence: 293T cells stained with ARG58207 anti-NRF1 antibody at 1:250 dilution.



ARG58207 anti-NRF1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded tonsil tissue stained with ARG58207 anti-NRF1 antibody.

ARG58207 anti-NRF1 antibody WB image

Western blot: U-87 MG cell lysate stained with ARG58207 anti-NRF1 antibody.

