



Anti-NRF1 (aa 201-285) polyclonal antibody (DPAB-DC2054)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	NRF1 (NP_005002, 201 a.a. ~ 285 a.a) partial recombinant protein with GST tag. The sequence is TQAQLRAFIPEMLKYSTGRGKPGWGKESCKPIWWPEDIPWANVRSDVRTEEKQQRVSWTQ ALRTIVKNCYKQHGREDLLYAFEDQ
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	NRF1 nuclear respiratory factor 1 [Homo sapiens (human)]
Official Symbol	NRF1
Synonyms	NRF1; nuclear respiratory factor 1; ALPHA-PAL; alpha palindromic-binding protein;
Entrez Gene ID	4899
Protein Refseq	NP_001035199
UniProt ID	A0A024R770
Chromosome Location	7q32
Pathway	Energy Metabolism; Huntingtons disease; Metabolism; Mitochondrial Gene Expression
Function	RNA polymerase II core promoter proximal region sequence-specific DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription;