

NRF1 Antibody



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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IP	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 68	Source/Isotype: Rabbit	UniProt ID: #Q16656	Entrez-Gene Id: 4899
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Product Usage Information	Application Western Blotting Immunoprecipitation	Dilution 1:1000 1:50
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.	
Specificity/Sensitivity	NRF1 Antibody recognizes endogenous levels of total NRF1 protein.	
Source / Purification	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu167 of human NRF1 protein. Antibodies are purified by protein A and peptide affinity chromatography.	
Background	Nuclear respiratory factor 1 (NRF1) was identified as a transcription activator for the gene encoding cytochrome c (1). It was later found to play a role in the nuclear control of mitochondrial function (1). PGC-1 induces the expression of NRF1 and NRF2 (2). NRF1, along with the coactivator PGC-1, stimulates the promoter of mitochondrial transcription factor A, which regulates mitochondrial biogenesis and function (2).	
Background References	<ol style="list-style-type: none"> Virbasius, C.A. et al. (1993) <i>Genes Dev</i> 7, 2431-45. Wu, Z. et al. (1999) <i>Cell</i> 98, 115-24. 	
Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).	
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween@ 20 at 4°C with gentle shaking, overnight.	
Applications Key	W: Western Blotting IP: Immunoprecipitation	
Cross-Reactivity Key	H: Human M: Mouse R: Rat Mk: Monkey	
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