

Store at
-20C
#69432**NRF1 (D9K7R) Rabbit mAb**

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

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W, IP	H M R Mk	Endogenous	68	Rabbit IgG	#Q16656	4899

Product Usage Information**Application**

Western Blotting
Immunoprecipitation

Dilution

1:1000
1:100

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

NRF1 (D9K7R) Rabbit mAb recognizes endogenous levels of total NRF1 protein.

Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu278 of human NRF1 protein.

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

- Virbasius, C.A. et al. (1993) *Genes Dev* 7, 2431-45.
- Wu, Z. et al. (1999) *Cell* 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 nonfat dry milk, 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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