

Anti-NRF1 Monoclonal Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52779**Specification**

Anti-NRF1 Monoclonal Antibody - Product Information

Application	WB
Primary Accession	Q16656
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Calculated MW	72 KDa

Anti-NRF1 Monoclonal Antibody - Additional Information**Gene ID** 4899**Other Names**

alpha pal;alpha palindromic binding protein;Alpha palindromic-binding protein;Alpha-pal; locus control region factor 1;NFE2 related factor 1;NRF-1;Nrf1;NRF1_HUMAN;Nuclear respiratory factor 1;transcription factor 11.

Dilution

WB~~1:1000

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Anti-NRF1 Monoclonal Antibody - Protein Information**Name** NRF1**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.

Cellular Location

Nucleus.

Tissue Location

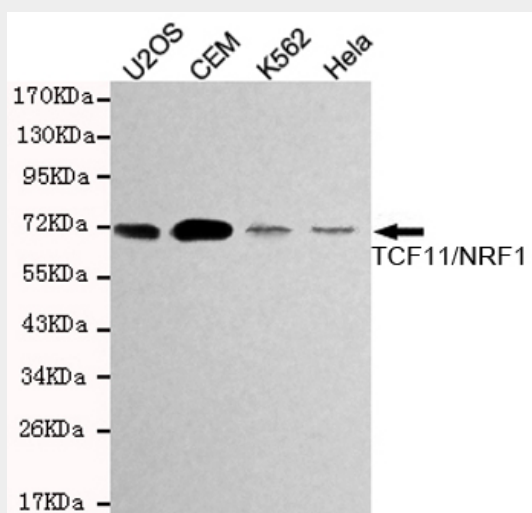
Ubiquitously expressed with strongest expression in skeletal muscle

Anti-NRF1 Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-NRF1 Monoclonal Antibody - Images



Western blot detection of TCF11/NRF1 in HeLa, K562, CEM and U2OS cell lysates using TCF11/NRF1 mouse mAb (1:1000 diluted). Predicted band size: 67KDa. Observed band size: 72KDa.

Anti-NRF1 Monoclonal Antibody - Background

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.

Anti-NRF1 Monoclonal Antibody - References

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Efiok B.J.S., et al. *J. Biol. Chem.* 269:18921-18930(1994).
Gopalakrishnan L., et al. *J. Biol. Chem.* 270:18019-18025(1995).
Yang S.J., et al. Submitted (SEP-2007) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. *Nat. Genet.* 36:40-45(2004).