

Anti-NRF1 Monoclonal Antibody

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AP52779

Product Information

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|--------------------------|------------------------|
| Application | WB |
| Primary Accession | Q16656 |
| Reactivity | Human |
| Host | Mouse |
| Clonality | Monoclonal |
| Isotype | IgG2a |
| Calculated MW | 53541 |

Additional Information

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| 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 | Purified mouse monoclonal in PBS(pH 7.4)containing with 0.09% (W/V) sodium azide,50% glycerol,0.1%BSA. |
| Storage | Store at -20 °C.Stable for 12 months from date of receipt |

Protein Information

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|--------------------------|--|
| 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 |

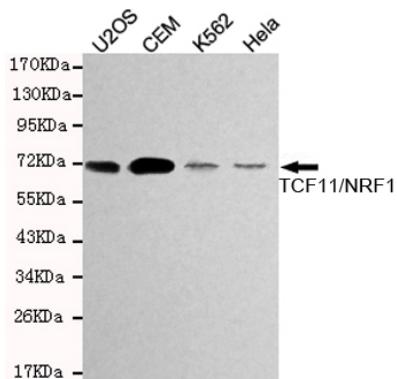
Background

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.

References

- Virbasius C.A.,et al.Genes Dev. 7:2431-2445(1993).
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).

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.