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Anti-NRF1 Monoclonal Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52779

Product Information

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

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.

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

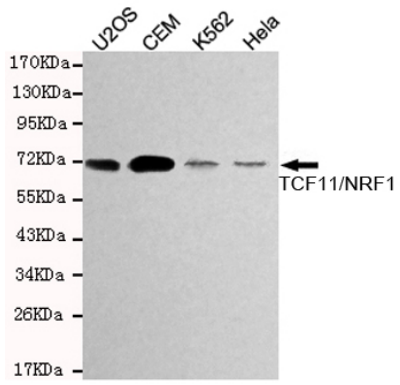
Background

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'.