



TCF11/NRF1 mouse mAb

Catalog No	YP-Ab-01093
Isotype	IgG
Reactivity	Human
Applications	WB
Gene Name	nrf1
Immunogen	Purified recombinant human TCF11/NRF1 protein fragments expressed in E.coli
Specificity	This antibody detects endogenous levels of TCF11/NRF1 and does not cross-react with related proteins.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	wb 1:1000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	HBZ17;LCR F1;Locus control region factor 1;NF E2 related factor 1;NFE2 related factor 1;NFE2L1;NRF1;TCF 11;TCF11;Transcription factor 11; Transcription factor HBZ17;Transcription factor LCR F1;NRF-1;alpha pal;alpha palindromic binding protein;Alpha palindromic-binding protein;Alpha-pal; NRF1_HUMAN;Nuclear respiratory factor 1;transcription factor 11.
Observed Band	72kD
Calculated Molecular Weight	72kD
Cell Pathway	Nucleus.
Tissue Specificity	Ubiquitously expressed with strongest expression in skeletal muscle.
Function	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.,PTM:Phosphorylation enhances DNA binding.,similarity:Belongs to the NRF1/Ewg family.,subunit:Homodimer. Binds DNA as a dimer. Interacts with PPRC1.,tissue specificity:Ubiquitously expressed with strongest expression in skeletal muscle.,



Background

This gene encodes a protein that homodimerizes and functions as a transcription factor which activates the expression of some key metabolic genes regulating cellular growth and nuclear genes required for respiration, heme biosynthesis, and mitochondrial DNA transcription and replication. The protein has also been associated with the regulation of neurite outgrowth. Alternative splicing results in multiple transcript variants. Confusion has occurred in bibliographic databases due to the shared symbol of NRF1 for this gene and for "nuclear factor (erythroid-derived 2)-like 1" which has an official symbol of NFE2L1. [provided by RefSeq, May 2014],

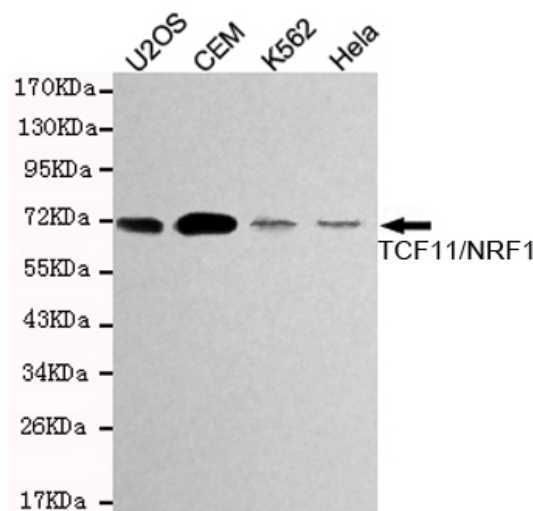
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products 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: 67 kDa. Observed band size: 72 kDa.