

## TCF11/NRF1 mouse mAb

<b>Catalog No :</b>	YM1351
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB
<b>Target :</b>	NRF-1
<b>Fields :</b>	>>Apelin signaling pathway;>>Huntington disease
<b>Gene Name :</b>	nrf1
<b>Human Gene Id :</b>	4899
<b>Human Swiss Prot No :</b>	Q16656
<b>Mouse Swiss Prot No :</b>	Q9WU00
<b>Immunogen :</b>	Purified recombinant human TCF11/NRF1 protein fragments expressed in E.coli
<b>Specificity :</b>	This antibody detects endogenous levels of TCF11/NRF1 and does not cross-react with related proteins.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	wb 1:1000
<b>Purification :</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	72kD

**Cell Pathway :** Huntington's disease;

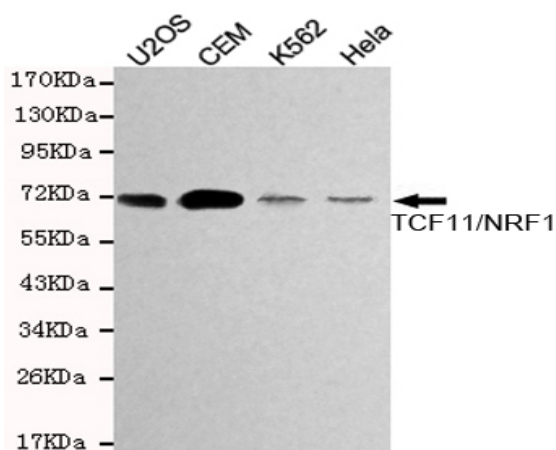
**Background :** This gene encodes a protein that homodimerizes and functions as a transcription factor which activates the expression of some key metabolic genes regulating cellular growth and nuclear genes required for respiration, heme biosynthesis, and mitochondrial DNA transcription and replication. 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],

**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.,

**Subcellular Location :** Nucleus.

**Expression :** Ubiquitously expressed with strongest expression in skeletal muscle.

## 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.