

Immunotag™ TCF11/NRF1 mouse mAb

Antibody Specification	
Catalog No.	ITM1351
Product Description	Immunotag™ TCF11/NRF1 mouse mAb
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	TCF11/NRF1
Clonality	Monoclonal
Storage/Stability	-20°C/1 year
Application	WB
Recommended Dilution	wb 1:1000
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Mouse
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.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	nrf1
Accession No.	Q16656 Q9WU00
Alternate 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.

Antibody Specification

Description	nuclear respiratory factor 1(NRF1) Homo sapiens 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],
Cell Pathway/ Category	Huntington's disease,
Protein Expression	Duodenum,Hepatoma,Placenta,
Subcellular Localization	nucleus,nucleoplasm,transcription factor complex,extracellular exosome,
Protein 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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.