



MAFG Monoclonal Antibody

Catalog No	YP-mAb-07020
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB
Gene Name	MAFG
Protein Name	Transcription factor MafG (V-maf musculoaponeurotic fibrosarcoma oncogene homolog G) (hMAF)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	MAFG Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	17kD
Cell Pathway	Nucleus .
Tissue Specificity	Highly expressed in skeletal muscle. Also expressed in heart and brain.
Function	function:Since they lack a putative transactivation domain, the small Mafs behave as transcriptional repressors when they dimerize among themselves. However, they seem to serve as transcriptional activators by dimerizing with other (usually larger) basic-zipper proteins and recruiting them to specific DNA-binding sites. Small Maf proteins heterodimerize with Fos and may act as competitive repressors of the NF-E2 transcription factor. Transcription factor, component of erythroid-specific transcription factor NF-E2. Activates globin gene expression when associated with NF-E2. May be involved in signal transduction of extracellular H(+).,PTM:Acetylated in erythroid cells by CREB-binding protein (CBP). Acetylation augments the DNA-binding activity of NFE2, but has no effect on binding NFE2.,PTM:Sumoylation at Lys-14 is required for active transcriptional repression.,similarity:Belongs to the
Background	Globin gene expression is regulated through nuclear factor erythroid-2 (NFE2) elements located in enhancer-like locus control regions positioned many kb upstream of alpha- and beta-gene clusters (summarized by Blank et al., 1997



[PubMed 9166829]). NFE2 DNA-binding activity consists of a heterodimer containing a ubiquitous small Maf protein (MafF, MIM 604877; MafG; or MafK, MIM 600197) and the tissue-restricted protein p45 NFE2 (MIM 601490). Both subunits are members of the activator protein-1-like superfamily of basic leucine zipper (bZIP) proteins (see MIM 165160).[supplied by OMIM, Mar 2010],

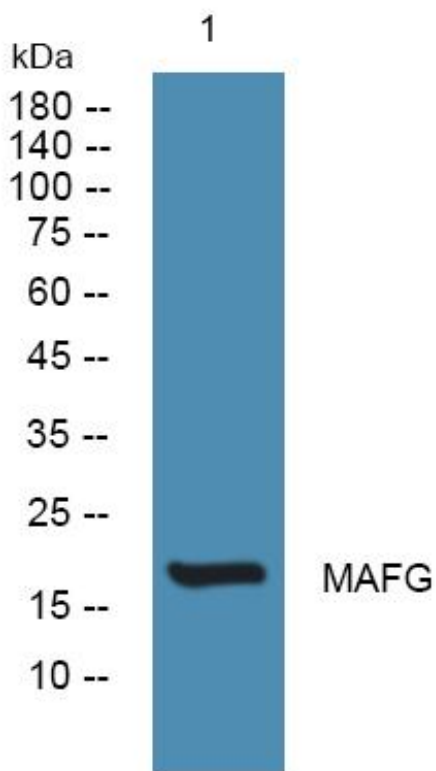
matters needing attention

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 analysis of various cells using MAFG Monoclonal Antibody