



MAFK Monoclonal Antibody

Catalog No	BYmab-06953
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	MAFK
Protein Name	Transcription factor MafK (Erythroid transcription factor NF-E2 p18 subunit)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	MAFK 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 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	17kD
Cell Pathway	Nucleus.
Tissue Specificity	Brain,Clones donated by HIP,Placenta,
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.,similarity:Belongs to the bZIP family.,similarity:Belongs to the bZIP family. Maf subfamily.,similarity:Contains 1 bZIP domain.,subunit:Homodimer or heterodimer. It can form high affinity heterodimers with members of the CNC-bZIP family such as NFE2, NFE2L1/NRF1, NFE2L2/NRF2 and NFE2L3/NRF3.,

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Background

The developmentally regulated expression of the globin genes depends on upstream regulatory elements termed locus control regions (LCRs). LCRs are associated with powerful enhancer activity that is mediated by the transcription factor NFE2 (nuclear factor erythroid-2). NFE2 recognition sites are also present in the gene promoters of 2 heme biosynthetic enzymes, uroporphobilinogen deaminase (PBGD; MIM 609806) and ferrochelatase (FECH; MIM 612386). NFE2 DNA-binding activity consists of a heterodimer containing an 18-kD Maf protein (MafF, MafG (MIM 602020), or MafK) and p45 (MIM 601490). Both subunits are members of the activator protein-1 superfamily of basic leucine zipper (bZIP) proteins (see MIM 165160). Maf homodimers suppress transcription at NFE2 sites.[supplied by OMIM, Nov 2008],

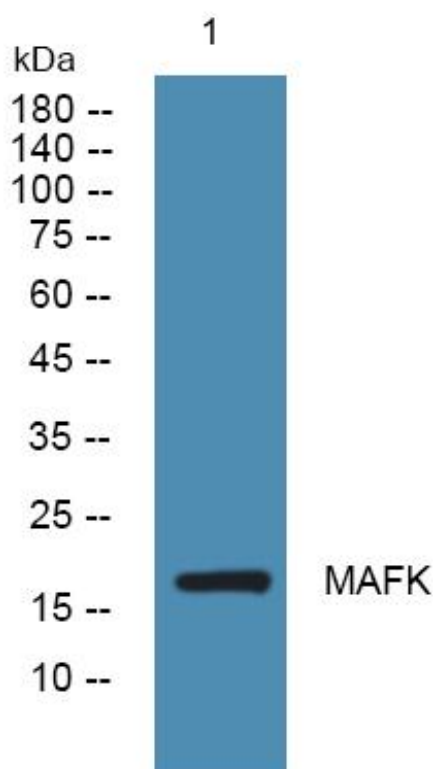
matters needing attention

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 MAFK Monoclonal Antibody