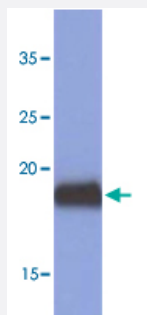


MAFK monoclonal antibody, clone AT2F7

Catalog # MAB11212 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Jurkat cell lysate (30 ug) by using MAFK monoclonal antibody, clone AT2F7 (Cat # MAB11212) (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant MAFK.
Immunogen	Recombinant protein corresponding to amino acids 1-156 of human MAFK.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Concentration	1 mg/mL
Isotype	IgG2a, kappa
Recommend Usage	ELISA Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (10% glycerol, 0.02% sodium azide).

Storage Instruction

Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — MAFK

Entrez GeneID[7975](#)**Protein Accession#**[NP_002351](#)**Gene Name**

MAFK

Gene Alias

FLJ32205, MGC71717, NFE2U, P18

Gene Description

v-maf musculoaponeurotic fibrosarcoma oncogene homolog K (avian)

Omim ID[600197](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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]

Other Designations

basic-leucine zipper transcription factor MafK|erythroid transcription factor NF-E2 p18 subunit|nuclear factor erythroid-2, ubiquitous (p18)|v-maf avian musculoaponeurotic fibrosarcoma oncogene family, protein K|v-maf musculoaponeurotic fibrosarcoma oncog