DATASHEET

MAFK Mouse Monoclonal Antibody(C3534)

CAT. NO. AMA03146

KEY FEATURES

Target	MAFK	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	WB, FC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Since they lack a putative transactivation domain, the small Mafs behave as transcriptional repressors when they dimerize among themselves . However, they act as transcriptional activators by dimerizing with other (usually larger) basic-zipper proteins, such as NFE2, NFE2L1/NRF1, NFE2L2/NRF2 and NFE2L3/NRF3, 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 .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
FC	1:10 - 1:50

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Mouse monoclonal antibody to MAFK
Specificity	Recognizes endogenous levels of MAFK protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide of human MAFK. The exact sequence is proprietary.
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 17 kD; Observed: 17 kD
Form/Buffer	Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	Transcription factor MafK; Erythroid transcription factor NF-E2 p18 subunit
Gene Symbol	MAFK
Entrez Gene	7975(Human)
SwissProt	O60675(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

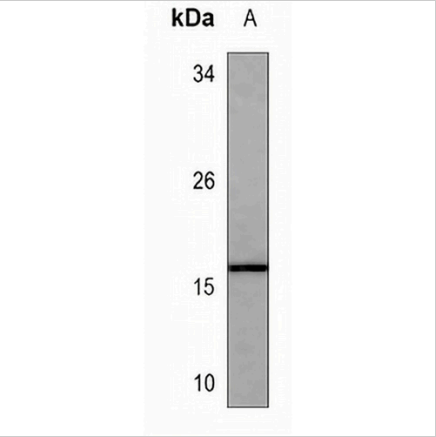
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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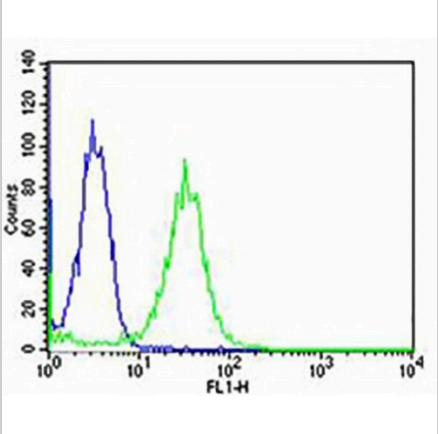
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Western blot analysis of MAFK expression in Jurkat (A) whole cell lysates. (Predicted band size: 17 kD; Observed band size: 17 kD)



Flow cytometric analysis of Hela cells using Anti-MAFK Antibody. The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody at 37 °C for 60 min. The secondary antibody Goat Anti-Mouse IgG (H&L) - AREX® Fluor 488 was incubated at 37 °C for 40 min. Isotype control antibody (blue line) was used under the same condition.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.