

Datasheet for ABIN7596043
anti-MAFK antibody (AA 1-156)



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Overview

Quantity:	100 µL
Target:	MAFK
Binding Specificity:	AA 1-156
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Human MafK antibody
Immunogen:	Recombinant human MAFK (1-156aa) purified from E. coli
Clone:	AT2F7
Isotype:	IgG2a kappa
Purification:	protein-A affinity chromatography

Target Details

Target:	MAFK
Alternative Name:	MafK (MAFK Products)
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

Target Details

activity that is mediated by the transcription factor NFE2 (nuclear factor erythroid-2). NFE2 DNA-binding activity consists of a heterodimer containing an 18-kD Maf protein (MafF, MafG or MafK) and p45. Since Maf homodimers 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. The MafK of Maf proteins is primarily expressed during development in mesenchymal and hematopoietic cells and neurons.

NCBI Accession: [NP_002351](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.