

MAFB Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP12233B

Specification

MAFB Antibody (C-term) - Product Information

Application WB, FC,E
Primary Accession Q9Y5O3

Other Accession <u>Q6DE84</u>, <u>P54842</u>, <u>P54841</u>, <u>Q2PFS4</u>,

NP_005452.2

Reactivity Human

Predicted Monkey, Mouse, Rat, Xenopus

Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Calculated MW 35792
Antigen Region 266-292

MAFB Antibody (C-term) - Additional Information

Gene ID 9935

Other Names

Transcription factor MafB, Maf-B, V-maf musculoaponeurotic fibrosarcoma oncogene homolog B, MAFB, KRML

Target/Specificity

This MAFB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 266-292 amino acids from the C-terminal region of human MAFB.

Dilution

WB~~1:1000 FC~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MAFB Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MAFB Antibody (C-term) - Protein Information



Name MAFB

Synonyms KRML

Function Acts as a transcriptional activator or repressor (PubMed:27181683). Plays a pivotal role in regulating lineage-specific hematopoiesis by repressing ETS1-mediated transcription of erythroid- specific genes in myeloid cells. Required for monocytic, macrophage, osteoclast, podocyte and islet beta cell differentiation. Involved in renal tubule survival and F4/80 maturation. Activates the insulin and glucagon promoters. Together with PAX6, transactivates weakly the glucagon gene promoter through the G1 element. SUMO modification controls its transcriptional activity and ability to specify macrophage fate. Binds element G1 on the glucagon promoter (By similarity). Involved either as an oncogene or as a tumor suppressor, depending on the cell context. Required for the transcriptional activation of HOXB3 in the rhombomere r5 in the hindbrain (By similarity).

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00978}.

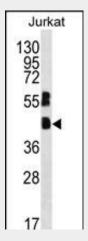
Tissue Location Ubiquitous..

MAFB Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

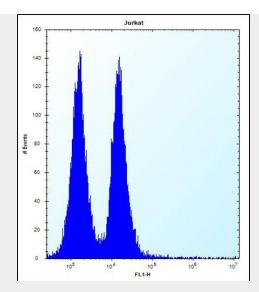
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MAFB Antibody (C-term) - Images



MAFB Antibody (C-term) (Cat. #AP12233b) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the MAFB antibody detected the MAFB protein (arrow).





MAFB Antibody (C-term) (Cat. #AP12233b) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

MAFB Antibody (C-term) - Background

The protein encoded by this gene is a basic leucine zipper (bZIP) transcription factor that plays an important role in the regulation of lineage-specific hematopoiesis. The encoded nuclear protein represses ETS1-mediated transcription of erythroid-specific genes in myeloid cells. This gene contains no introns. [provided by RefSeq].

MAFB Antibody (C-term) - References

Kim, H., et al. Nat. Immunol. 11(8):743-750(2010)
Beaty, T.H., et al. Nat. Genet. 42(6):525-529(2010)
Vatsveen, T.K., et al. Leuk. Res. 33(12):1670-1677(2009)
Zanocco-Marani, T., et al. Exp. Cell Res. 315(11):1798-1808(2009)
Kathiresan, S., et al. Nat. Genet. 41(1):56-65(2009)