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MAFB Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP12233b

Specification

MAFB Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q9Y5Q3

MAFB Antibody (C-term) Blocking peptide - Additional Information

Gene ID 9935

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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MAFB Antibody (C-term) Blocking peptide - 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) Blocking peptide - Protocols

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

- Blocking Peptides

MAFB Antibody (C-term) Blocking peptide - Images

MAFB Antibody (C-term) Blocking peptide - Background

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

MAFB Antibody (C-term) Blocking peptide - 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)