

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

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**MAFB Antibody (C-term) Blocking peptide - Product Information**Primary Accession [O9Y5Q3](#)**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:<a href="http://www.uniprot.org/citations/27181683" target="\_blank">27181683</a>). 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 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) 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) Zanicco-Marani, T., et al. Exp. Cell Res. 315(11):1798-1808(2009) Kathiresan, S., et al. Nat. Genet. 41(1):56-65(2009)