

Rabbit MafB Polyclonal Antibody | anti-MafB antibody

MafB Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327720	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

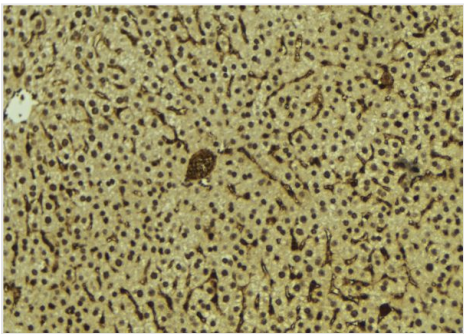
PRODUCT SYNONYMS

MafB; Polyclonal Antibody; MafB Antibody; Kreisler; Kreisler (mouse) maf related leucine zipper homolog; Kreisler maf related leucine zipper homolog; KRML; Maf-B; Mafb; MAFB/Kreisler basic region/leucine zipper transcription factor; MAFB_HUMAN; MGC43127; Segmentation protein KR; Transcription factor MafB; V maf musculoaponeurotic fibrosarcoma oncogene homolog B (avian); V-maf musculoaponeurotic fibrosarcoma oncogene homolog B; anti-MafB antibody

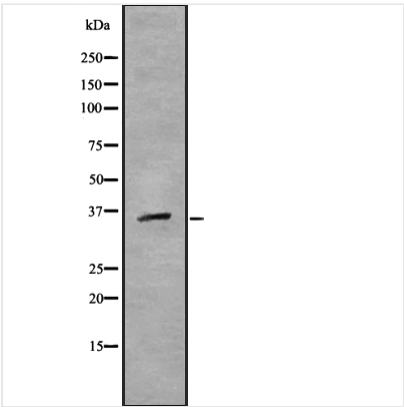
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MafB antibody detects endogenous levels of total MafB
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	323
Applicable Applications for anti-MafB antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MafB
Subcellular Location	Nucleus.
Tissue Specificity	Ubiquitous.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (83%), Bovine (100%), Horse (100%), Rabbit (92%), Dog (100%), Chicken (83%), Xenopus (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327720 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of MafB using COLO205 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-MafB antibody	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. Subunit Structure: Homodimer or heterodimer with other bHLH-Zip transcription factors. Binds DNA as a homodimer or a heterodimer. Forms homodimers and heterodimers with FOS, FOSB and FOSL2, but not with JUN proteins (JUN, JUNB and JUND). Interacts with PAX6; the interaction is direct. Interacts with ETS1 and LRP1 (By similarity). Interacts with the intracellular cytoplasmic domain of LRP1 (LRPICD); the interaction results in a moderate reduction of MAFB transcriptional potential. Post-translational Modifications: Phosphorylated by GSK3 and MAPK13 on serine and threonine residues. Sumoylated. Sumoylation on Lys-32 and Lys-297 stimulates its transcriptional repression activity and promotes macrophage differentiation from myeloid progenitors (By similarity). Similarity: The leucine-zipper domain is involved in the interaction with LRPICD. Belongs to the bZIP family. Maf subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	23308699
NCBI GeneID	9935
NCBI Accession #	NP_005452.2
NCBI GenBank Nucleotide #	NM_005461.4
UniProt Accession #	Q9Y5Q3; Q9H1F1; B3KNE1
Molecular Weight	Observed: 36 kDa Predicted: 36 kDa
NCBI Official Full Name	transcription factor MafB
NCBI Official Synonym Full Names	MAF bZIP transcription factor B
NCBI Official Symbol	MAFB
NCBI Official Synonym Symbols	KRML; MCTO; DURS3
NCBI Protein Information	transcription factor MafB
UniProt Protein Name	Transcription factor MafB

UniProt Gene Name	MAFB
UniProt Synonym Gene Names	KRML; Maf-B

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/mafb-antibody-immunohistochemistry-western-blot-elisa/327720>