

MAFB Rabbit pAb

CatalogNo: YN0164

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 35kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

Synthesized peptide derived from human protein . at AA range: 180-260

Specificity

MAFB Polyclonal Antibody detects endogenous levels of protein.

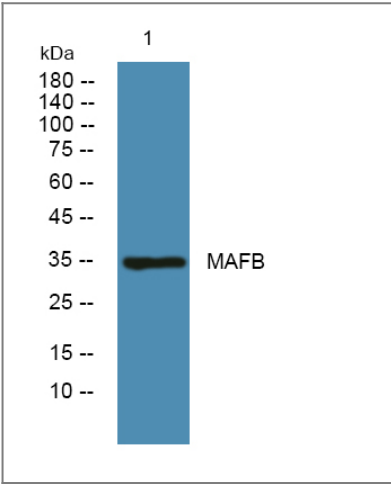
Target Information

Gene name

MAFB KRML

Protein Name	Transcription factor MafB (Maf-B) (V-maf musculoaponeurotic fibrosarcoma oncogene homolog B)		
	Organism	Gene ID	UniProt ID
	Human	9935;	Q9Y5Q3;
	Mouse		P54841;
	Rat		P54842;
Cellular Localization	Nucleus .		
Tissue specificity	Ubiquitous.		
Function	<p>Domain:The leucine-zipper domain is involved in the interaction with LRPICD.,Function:Acts as a transcriptional activator or repressor. 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, 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.,PTM:Phosphorylated by GSK3 and MAPK13 on serine and threonine residues.,PTM:Sumoylated. Sumoylation on Lys-32 and Lys-297 stimulates its transcriptional repression activity and promotes macrophage differentiation from myeloid progenitors.,similarity:Belongs to the bZIP family. Maf subfamily.,similarity:Contains 1 bZIP domain.,subunit:Homodimer or heterodimer with other bHLH-Zip transcription factors. Binds DNA as a homodimer or a heterodimer. Forms homo- 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.,tissue specificity:Ubiquitous.,</p>		

| Validation Data



Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4°over night

| Contact information

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MAFB Rabbit pAb

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