

Maf1 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI13208**Specification**

Maf1 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O9D0U6
Other Accession	NM_001164607 , NP_001158079
Reactivity	Human, Mouse, Rat, Pig, Horse, Bovine, Guinea Pig
Predicted Host	Human, Mouse, Rat, Bovine, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 28kDa KDa

Maf1 antibody - N-terminal region - Additional Information**Gene ID** 68877**Alias Symbol** 1110068E11Rik, AU042856**Other Names**

Repressor of RNA polymerase III transcription MAF1 homolog, Maf1

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Maf1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Maf1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Maf1 antibody - N-terminal region - Protein Information**Name** Maf1**Function**

Plays a role in the repression of RNA polymerase III-mediated transcription in response to changing nutritional, environmental and cellular stress conditions to balance the production of highly abundant tRNAs, 5S rRNA, and other small non-coding RNAs with cell growth and maintenance (By similarity). Also plays a key role in cell fate determination by promoting mesoderm induction and adipocyte differentiation (PubMed: <http://www.uniprot.org/citations/30110641> target="_blank">30110641). Mechanistically, associates with the RNA polymerase III clamp and thereby impairs its recruitment to the complex made of the promoter DNA, TBP and the initiation factor TFIIIB. When nutrients are available and mTOR kinase is active, MAF1 is

hyperphosphorylated and RNA polymerase III is engaged in transcription. Stress-induced MAF1 dephosphorylation results in nuclear localization, increased targeting of gene-bound RNA polymerase III and a decrease in the transcriptional readout. Additionally, may also regulate RNA polymerase I and RNA polymerase II-dependent transcription through its ability to regulate expression of the central initiation factor TBP (By similarity).

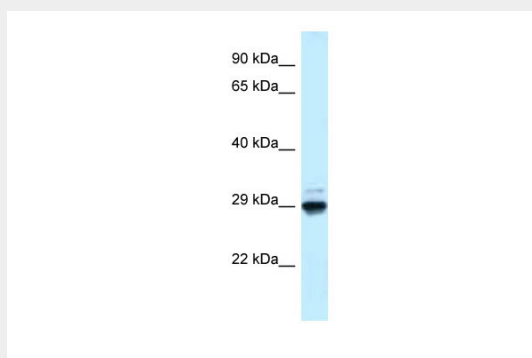
Cellular Location

Nucleus. Cytoplasm {ECO:0000250|UniProtKB:Q9H063}

Maf1 antibody - N-terminal region - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Maf1 antibody - N-terminal region - Images

WB Suggested Anti-Maf1 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Kidney

Maf1 antibody - N-terminal region - References

Carninci P., et al. Science 309:1559-1563(2005).
Kantidakis T., et al. Proc. Natl. Acad. Sci. U.S.A. 107:11823-11828(2010).