

Anti-MAF1 Antibody (Internal)
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18477**Specification**

Anti-MAF1 Antibody (Internal) - Product Information

Application	WB, IHC-P
Primary Accession	O9H063
Predicted	Human, Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28771
Dilution	WB~~1:1000 IHC-P~~N/A

Anti-MAF1 Antibody (Internal) - Additional Information**Gene ID** 84232**Alias Symbol** **MAF1**
Other Names
MAF1, Homolog of yeast MAF1, MAF1 homolog (S. cerevisiae)**Target/Specificity**

Recognizes endogenous levels of MAF1 protein.

Reconstitution & Storage

Immunoaffinity purified

Precautions

Anti-MAF1 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-MAF1 Antibody (Internal) - 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 (PubMed: [18377933](http://www.uniprot.org/citations/18377933), PubMed: [20233713](http://www.uniprot.org/citations/20233713), PubMed: [20516213](http://www.uniprot.org/citations/20516213), PubMed: [20543138](http://www.uniprot.org/citations/20543138)). Also plays a key role in cell fate determination by promoting mesoderm induction and adipocyte differentiation (By similarity). 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 (PubMed:17505538, PubMed:20887893). 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 (PubMed:26941251). 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 (PubMed:17499043).

Cellular Location

Nucleus. Cytoplasm

Anti-MAF1 Antibody (Internal) - 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](#)

Anti-MAF1 Antibody (Internal) - Images