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Anti-MAF1 Antibody (Internal)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18477

Specification

Anti-MAF1 Antibody (Internal) - Product Information

Application	**WB, IHC-P**
Primary Accession	Q9H063
Predicted	**Human, Mouse, Rat, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**28771**

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, PubMed:20233713, PubMed:20516213, PubMed:20543138). Also plays a key role in cell fate determination by promoting mesorderm 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:20887893, PubMed:<a href="http://www.uniprot.org/citations/17505538"

target="_blank">17505538). 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 Cytomety
- Cell Culture

Anti-MAF1 Antibody (Internal) - Images