

c-Maf Antibody

Rabbit mAb Catalog # AP90514

Specification

c-Maf Antibody - Product Information

Application IHC
Primary Accession O75444
Reactivity Rat
Clonality Monoclonal

Other Names

Avian musculoaponeurotic fibrosarcoma (MAF) protooncogene; c-MAF; c-maf proto-oncogene;

cMaf; MAF; MGC71685; Proto-oncogene c-Maf;

Isotype Rabbit IgG
Host Rabbit
Calculated MW 38492 Da

c-Maf Antibody - Additional Information

Dilution IHC~~1:100~500

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human

c-Maf

Description Acts as a transcriptional activator or

repressor. Involved in embryonic lens fiber

cell development. Recruits the

transcriptional coactivators CREBBP and/or EP300 to crystallin promoters leading to up-regulation of crystallin gene during lens fiber cell differentiation. Activates the expression of IL4 in T helper 2 (Th2) cells. Increases T-cell susceptibility to apoptosis by interacting with MYB and decreasing BCL2 expression. Together with PAX6, transactivates strongly the glucagon gene

promoter through the G1 element.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline,

pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid

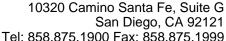
freeze / thaw cycle.

c-Maf Antibody - Protein Information

Name MAF

Function

Acts as a transcriptional activator or repressor. Involved in embryonic lens fiber cell development.





Recruits the transcriptional coactivators CREBBP and/or EP300 to crystallin promoters leading to up-regulation of crystallin gene during lens fiber cell differentiation. Activates the expression of IL4 in T helper 2 (Th2) cells. Increases T- cell susceptibility to apoptosis by interacting with MYB and decreasing BCL2 expression. Together with PAX6, transactivates strongly the glucagon gene promoter through the G1 element. Activates transcription of the CD13 proximal promoter in endothelial cells. Represses transcription of the CD13 promoter in early stages of myelopoiesis by affecting the ETS1 and MYB cooperative interaction. Involved in the initial chondrocyte terminal differentiation and the disappearance of hypertrophic chondrocytes during endochondral bone development. Binds to the sequence 5'-[GT]G[GC]N[GT]NCTCAGNN-3' in the L7 promoter. Binds to the T-MARE (Maf response element) sites of lens-specific alpha- and beta-crystallin gene promoters. Binds element G1 on the glucagon promoter. Binds an AT-rich region adjacent to the TGC motif (atypical Maf response element) in the CD13 proximal promoter in endothelial cells (By similarity). When overexpressed, represses anti-oxidant response element (ARE)-mediated transcription. Involved either as an oncogene or as a tumor suppressor, depending on the cell context. Binds to the ARE sites of detoxifying enzyme gene promoters.

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00978}.

Tissue Location

Expressed in endothelial cells.

c-Maf Antibody - 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

c-Maf Antibody - Images