

Anti-c-Maf Rabbit Monoclonal Antibody

Catalog # ABO13644

Product Information

Application	IHC
Primary Accession	O75444
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-c-Maf Rabbit Monoclonal Antibody . Tested in IHC application. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	4094
Other Names	Transcription factor Maf, Proto-oncogene c-Maf, V-maf musculoaponeurotic fibrosarcoma oncogene homolog, MAF
Calculated MW	38492
Application Details	IHC 1:50-1:200
Subcellular Localization	Nucleus.
Tissue Specificity	Expressed in endothelial cells..
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: DHI-13
Immunogen	A synthesized peptide derived from human c-Maf
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

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.

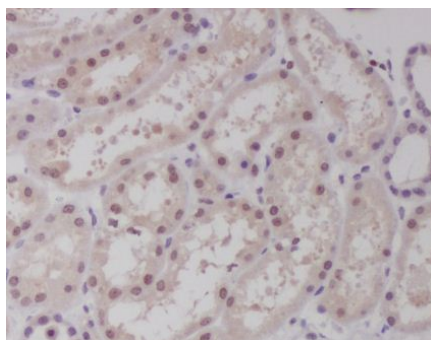
Cellular Location

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

Tissue Location

Expressed in endothelial cells.

Images



Immunohistochemical analysis of paraffin-embedded human kidney, using c-Maf Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.