



Anti-MAF (aa 50-100) polyclonal antibody (DPABH-13011)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Acts as a transcriptional activator or repressor. Involved in embryonic lens fiber cell development. Recruits the transcriptional coactivators CREBPP 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.
Immunogen	KLH conjugated synthetic peptide corresponding to a region within amino acids 50-100 of Human c-Maf.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated

Applications	WB, IHC-P
Format	Liquid
Size	50 µg
Buffer	Constituents: 99% PBS, 0.2% Gelatin
Preservative	0.05% Sodium Azide
Storage	Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	MAF v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog [Homo sapiens]
Official Symbol	MAF
Synonyms	MAF; v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog; CCA4; c-MAF; transcription factor Maf; c-maf proto-oncogene; proto-oncogene c-Maf; T lymphocyte c-maf long form; Avian musculoaponeurotic fibrosarcoma (MAF) protooncogene;
Entrez Gene ID	4094
Protein Refseq	NP_001026974.1
UniProt ID	O75444
Pathway	C-MYB transcription factor network; Inflammatory bowel disease (IBD); Keap1-Nrf2 Pathway; Transcriptional misregulation in cancer
Function	sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;