For Research Use Only

c-MAF Polyclonal antibody

Catalog Number:55013-1-AP Featured Product 14 Publications

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Basic Information

Catalog Number:
55013-1-AP

Concentration:
500 ug/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_005360

GeneID (NCBI):
4094

UNIPROT ID:
O75444

Full Name:
v-maf musculoaponeurotic fibrosarcoma oncogene homolog (avian)

Calculated MW:
42 kDa

Observed MW:
42-52 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:8000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IF/ICC 1:50-1:500

Applications

Tested Applications:
WB, IF/ICC, IP, ELISA

Cited Applications:
WB, IF, IP

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse

Positive Controls:

WB : A431 cells, A375 cells, HeLa cells, HepG2 cells, K-562 cells

IP : A431 cells,

IF/ICC : A431 cells,

Background Information

MAF, also named as c-Maf, belongs to the bZIP family and Maf subfamily. MAF acts as a transcriptional activator or repressor. It is involved in embryonic lens fiber cell development. MAF increases T cell susceptibility to apoptosis by interacting with MYB and decreasing BCL2 expression. Together with PAX6, it transactivates strongly the glucagon gene promoter through the G1 element. MAF activates transcription of the CD13 proximal promoter in endothelial cells. It is involved in the initial chondrocyte terminal differentiation and the disappearance of hypertrophic chondrocytes during endochondral bone development. When overexpressed, MAF represses anti-oxidant reponse element (ARE)-mediated transcription. It is involved either as an oncogene or as a tumor suppressor, depending on the cell context. A chromosomal aberration involving MAF is found in some forms of multiple myeloma (MM). Defects in MAF are the cause of cataract pulverulent juvenile-onset MAF-related (CAPJOM). Defects in MAF are the cause of cataract congenital cerulean type 4 (CCA4). The antibody is specific to MAF. And it could recognise the 50 kDa band that also be detected in the paper (PMID: 25770584) .

Notable Publications

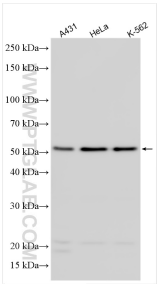
Author	Pubmed ID	Journal	Application
Yujia Xu	32999280	Cell Death Dis	WB,IP
Teresa W-M Fan	36150727	J Immunol	
Pauline Pfänder	34502552	Int J Mol Sci	WB

Storage

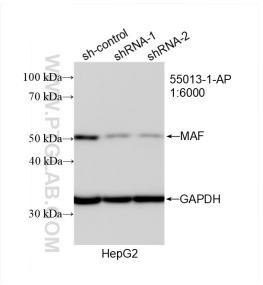
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

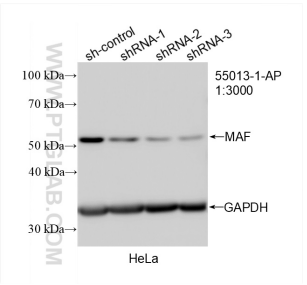
Selected Validation Data



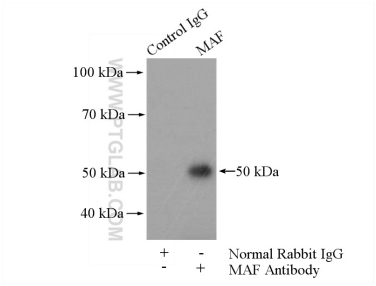
Various lysates were subjected to SDS PAGE followed by western blot with 55013-1-AP (c-MAF antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



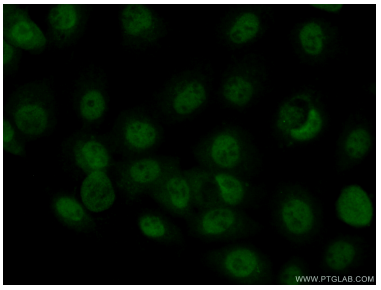
WB result of c-MAF antibody (55013-1-AP; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MAF transfected HepG2 cells.



WB result of c-MAF antibody (55013-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MAF transfected HeLa cells.



IP result of anti-c-MAF (IP:55013-1-AP, 4ug; Detection:55013-1-AP 1:500) with A431 cells lysate 2000ug.



Immunofluorescent analysis of (10% Formaldehyde) fixed A431 cells using 55013-1-AP (c-MAF antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).