

For Research Use Only

MAFB Polyclonal antibody

Catalog Number: 20189-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

20189-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14102

GenBank Accession Number:

BC036689

GeneID (NCBI):

9935

ENSEMBL Gene ID:

ENSG00000204103

UNIPROT ID:

Q9Y5Q3

Full Name:

v-maf musculoaponeurotic
fibrosarcoma oncogene homolog B
(avian)

Calculated MW:

323 aa, 36 kDa

Observed MW:

45 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

IF/ICC: 1:500-1:2000

FC (Intra): 0.40 ug per 10⁶ cells in a
100 µl suspension

Applications

Tested Applications:

WB, IF/ICC, FC (Intra), ELISA

Cited Applications:

WB, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB : RAW 264.7 cells,

IF/ICC : U-251 cells,

FC (Intra) : RAW 264.7 cells,

Background Information

MAFB (MAF BZIP Transcription Factor B), also known as V-maf musculoaponeurotic fibrosarcoma oncogene homolog B, is a widely expressed basic leucine zipper transcription factor belonging to the Maf family. MAFB expression is significantly elevated in response to a broad range of metabolic and immunological stimuli that promote macrophage M2 polarization, cholesterol efflux, or both, whereas it is strongly down-regulated in response to various pro-inflammatory pathogenic triggers (PMID: 28790455). MAFB is highly expressed in tumor tissues and required for proliferation and tumorigenicity of osteosarcoma cells (PMID: 32234710) and is a marker of tumor-associated macrophages in both mouse and human (PMID: 31679694).

Notable Publications

Author	Pubmed ID	Journal	Application
Haruka Hikichi	36406405	Front Microbiol	WB
Wulin Aerbajinai	39243388	J Leukoc Biol	WB, IF
Huachun Cui	37845329	Commun Biol	WB, IP

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:

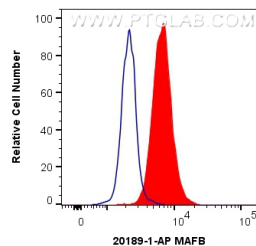
T: 4006900926

E: Proteintech-CN@ptglab.com

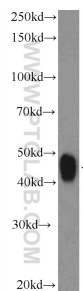
W: ptgcn.com

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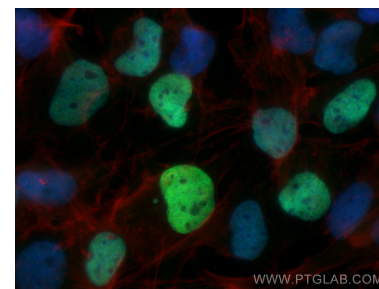
Selected Validation Data



1X10⁶ RAW 264.7 cells were intracellularly stained with 0.4 ug Anti-Human MAFB (20189-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug rabbit IgG isotype control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



RAW 264.7 cells were subjected to SDS PAGE followed by western blot with 20189-1-AP (MAFB Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed U-251 cells using MAFB antibody (20189-1-AP) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).