

MAFB Polyclonal antibody

Catalog Number: 20189-1-AP

4 Publications

Basic Information

Catalog Number: 20189-1-AP	GenBank Accession Number: BC036689	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 650 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9935	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: v-maf musculoaponeurotic fibrosarcoma oncogene homolog B (avian)	
Isotype: IgG	Calculated MW: 323 aa, 36 kDa	
Immunogen Catalog Number: AG14102	Observed MW: 45 kDa	

Applications

Tested Applications: FC, WB, ELISA	Positive Controls: WB : RAW 264.7 cells,
Cited Applications: IP, WB	
Species Specificity: human, rat, mouse	
Cited Species: human, rat, mouse	

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
Huachun Cui	37845329	Commun Biol	WB, IP
Xi Lan	37678604	Mol Cell Endocrinol	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

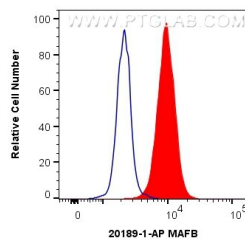
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

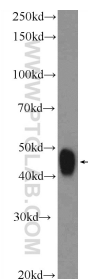
For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



1X10⁶ RAW 264.7 cells were intracellularly stained with 0.8 ug Anti-Human MAFB (20189-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.8 ug Rabbit IgG control Rabbit PolyAb (30000-O-AP, Clone:) (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.