

For Research Use Only

MAFK Polyclonal antibody

Catalog Number: 33199-1-AP



Basic Information

Catalog Number:

33199-1-AP

Concentration:

550 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG38230

GenBank Accession Number:

NM_002360.3

GeneID (NCBI):

7975

UNIPROT ID:

O60675

Full Name:

v-maf musculoaponeurotic
fibrosarcoma oncogene homolog K
(avian)

Calculated MW:

18 kDa, 156aa

Observed MW:

18 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:1000-1:8000

IF/ICC: 1:400-1:1600

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB: A549 cells, Calu-3 cells, HeLa cells

IF/ICC: HeLa cells,

Background Information

The small Maf proteins (sMafs) are basic region leucine zipper (bZIP)-type transcription factors. MAFF, MAFK, and MAFG are the three vertebrate sMafs (PMID: 27058431). They act as transcriptional activators by dimerizing with other (usually larger) basic-zipper proteins, such as NFE2, NFE2L1/NRF1, NFE2L2/NRF2, and NFE2L3/NRF3, and recruiting them to specific DNA-binding sites (PMID: 8932385; 9150357). In cancer cell lines, MAFK promotes epithelial-to-mesenchymal transition (EMT) by downregulating E-cadherin expression through the targeting of transmembrane glycoprotein nonmetastatic B (GPNMB), a potent inducer of EMT (PMID: 28400538; 36061142).

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:

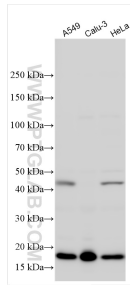
T: 4006900926

E: Proteintech-CN@ptglab.com

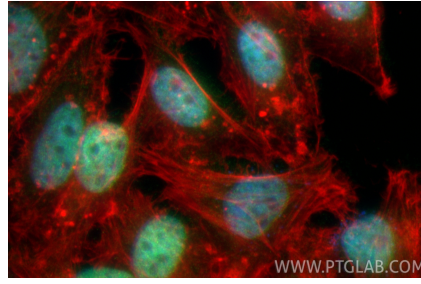
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33199-1-AP (MAFK antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using MAFK antibody (33199-1-AP) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).