

For Research Use Only

MAFK Polyclonal antibody

Catalog Number: 33199-1-AP



Basic Information

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|---|---|--|
| Catalog Number: 33199-1-AP | GenBank Accession Number: NM_002360.3 | Purification Method: Antigen affinity Purification |
| Size: 150ul , Concentration: 550 ug/ml by Nanodrop; | GeneID (NCBI): 7975 | Recommended Dilutions: WB: 1:1000-1:8000 IF/ICC: 1:400-1:1600 |
| Source: Rabbit | UNIPROT ID: O60675 | |
| Isotype: IgG | Full Name: v-maf musculoaponeurotic fibrosarcoma oncogene homolog K (avian) | |
| Immunogen Catalog Number: AG38230 | Calculated MW: 18 kDa 156aa | |
| | Observed MW: 18 kDa | |

Applications

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| Tested Applications: WB, IF/ICC, ELISA | Positive Controls: WB : A549 cells, Calu-3 cells, HeLa cells |
| Species Specificity: human | IF/ICC : HeLa cells, |

Background Information

The small Maf proteins (sMafs) are basic region leucine zipper (bZIP)-type transcription factors. MAFF, MAFG, and MAFK 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

*** 20ul sizes contain 0.1% BSA

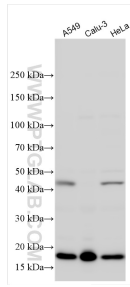
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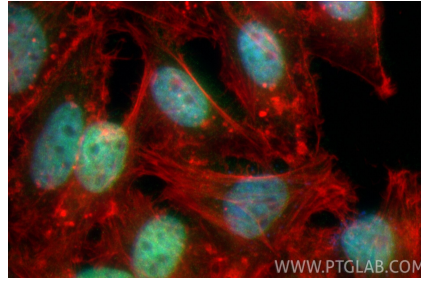
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Selected Validation Data



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).