

For Research Use Only

MAFK Polyclonal antibody, PBS Only

Catalog Number: 33199-1-PBS



Basic Information

Catalog Number:

33199-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

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

Applications

Tested Applications:

WB, IF/ICC, Indirect ELISA

Species Specificity:

human

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 -80°C.

Storage Buffer:

PBS only, pH7.3

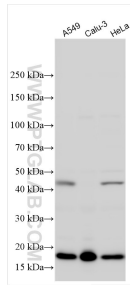
For technical support and original validation data for this product please contact:

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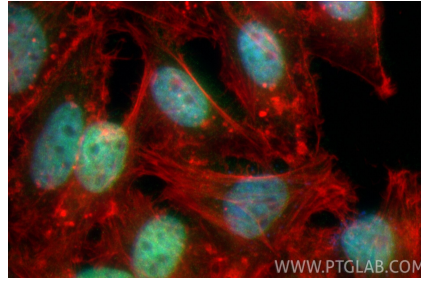
E: proteintech@ptglab.com
W: ptglab.com

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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. This data was developed using the same antibody clone with 33199-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 33199-1-PBS in a different storage buffer formulation.