

For Research Use Only

MICALL1 Polyclonal antibody

Catalog Number:33503-1-AP



Basic Information

Catalog Number:

33503-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG39169

GenBank Accession Number:

NM_033386.3

GeneID (NCBI):

85377

UNIPROT ID:

Q8N3F8

Full Name:

MICAL-like 1

Calculated MW:

93kDa, 863aa

Observed MW:

125 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:1000-1:8000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : A549 cells, Calu-1 cells, HepG2 cells, L02 cells, MG-63 cells, U2OS cells

Background Information

MICALL1 (MICAL-like protein 1) is a protein involved in the regulation of cytoskeleton dynamics and is a member of the MICAL family. This protein interacts with other molecules through its N-terminal CH domain and C-terminal coiled-coil domain, primarily regulating the stability of microtubules and actin, thereby affecting processes such as cell shape, migration, and intracellular transport. Studies have shown that MICALL1 plays a key role in neuronal axon guidance, angiogenesis, and the establishment of epithelial cell polarity. Additionally, it binds to Rab GTPases (such as Rab8a) and is involved in vesicle transport and membrane remodeling. Aberrant expression of MICALL1 is associated with tumor metastasis and neurological diseases, with its molecular mechanisms involving precise regulation of cytoskeleton rearrangement, making it a potential therapeutic target.

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:

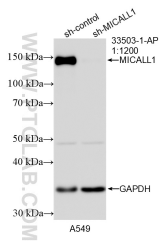
T: 4006900926

E: Proteintech-CN@ptglab.com

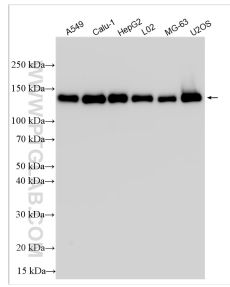
W: ptgcn.com

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Selected Validation Data



WB result of MICALL1 antibody (33503-1-AP; 1:1200; incubated at room temperature for 1.5 hours) with sh-Control and sh-MICALL1 transfected A549 cells.



Various lysates were subjected to SDS PAGE followed by western blot with 33503-1-AP (MICALL1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.