

For Research Use Only

MICALL1 Polyclonal antibody

Catalog Number: 33503-1-AP



Basic Information

Catalog Number: 33503-1-AP	GenBank Accession Number: NM_033386.3	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 400 ug/ml by Nanodrop;	GeneID (NCBI): 85377	Recommended Dilutions: WB: 1:1000-1:8000
Source: Rabbit	UNIPROT ID: Q8N3F8	
Isotype: IgG	Full Name: MICAL-like 1	
Immunogen Catalog Number: AG39169	Calculated MW: 93kDa 863aa	
	Observed MW: 125 kDa	

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

*** 20ul sizes contain 0.1% BSA

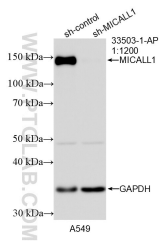
For technical support and original validation data for this product please contact:

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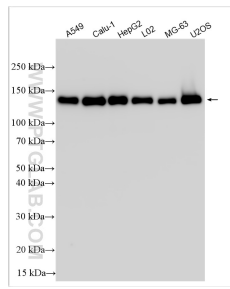
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W: ptglab.com

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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.