

For Research Use Only

Dematin Polyclonal antibody

Catalog Number: 16808-1-AP

2 Publications



Basic Information

Catalog Number:

16808-1-AP

Size:

150ul, Concentration: 133 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10300

GenBank Accession Number:

BC017445

GeneID (NCBI):

2039

UNIPROT ID:

Q08495

Full Name:

erythrocyte membrane protein band 4.9 (dematin)

Calculated MW:

405 aa, 46 kDa

Observed MW:

48-52 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : human red blood cells, rat brain tissue

Background Information

Dematin (band 4.9) is a widely expressed cytoskeletal protein which regulates cell shape and cell migration. It is best known for its role within the red blood cell (RBC), where it has been localized to the spectrin-actin junctions of RBC membrane. Dematin has a 48 kDa subunit containing a headpiece domain and a 52 kDa subunit.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|---------------|-----------|--------------|-------------|
| Yashuang Yang | 36385596 | Front Med | WB |
| Mengying Wang | 35561787 | Exp Cell Res | WB,IHC,IF |

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

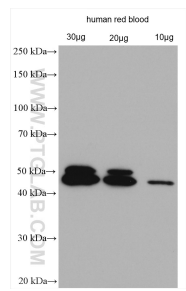
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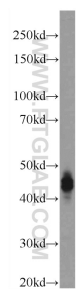
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



human red blood cells were subjected to SDS PAGE followed by western blot with 16808-1-AP (Dematin antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



rat brain tissue were subjected to SDS PAGE followed by western blot with 16808-1-AP (Dematin antibody at dilution of 1:300 incubated at room temperature for 1.5 hours.