

Dematin Antibody

Lot Number: RJ2277201

Product Data Sheet

| Tested Species Reactivity | |
|---------------------------|--|
| Human (Hu) | |
| Mouse (Ms) | |

| Tested Applications | Dilution * |
|---|--------------|
| Western Blot (WB) | 1:500-1:1000 |
| Immunofluorescence (IF) | 1:100-1:500 |
| Immunocytochemistry (ICC) | 1:100-1:500 |
| Immunohistochemistry (Paraffin) (IHC (P)) | 1:50-1:100 |

* Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.

| Details | |
|------------------------|--|
| Catalog Number: | PA5-38473 |
| Size: | 100 µg |
| Class: | Polyclonal |
| Type: | Antibody |
| Clone: | |
| Host / Isotype: | Rabbit / IgG |
| Immunogen: | A synthetic non-phosphopeptide derived from human Dematin around the phosphorylation site of Ser403 (K-A-SP-L-F) |

| Form Information | |
|----------------------------|---|
| Form: | Liquid |
| Concentration: | 1mg/ml |
| Purification: | Antigen affinity chromatography |
| Storage Buffer: | Dulbecco's PBS, pH 7.4, with 50% glycerol, 150mM NaCl |
| Preservative: | 0.02% sodium azide |
| Storage Conditions: | -20°C |

| Product Specific Information | General Information |
|---|--|
| <i>For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.</i> | The protein encoded by this gene is an actin binding and bundling protein that plays a structural role in erythrocytes, by stabilizing and attaching the spectrin/actin cytoskeleton to the erythrocyte membrane in a phosphorylation-dependent manner. This protein contains a core domain in the N-terminus, and a headpiece domain in the C-terminus that binds F-actin. When purified from erythrocytes, this protein exists as a trimer composed of two 48 kDa polypeptides and a 52 kDa polypeptide. The different subunits arise from alternative splicing in the 3' coding region, where the headpiece domain is located. Disruption of this gene has been correlated with the autosomal dominant Marie Unna hereditary hypotrichosis disease, while loss of heterozygosity of this gene is thought to play a role in prostate cancer progression. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Nov 2014]. |

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