

Product datasheet for **AP20222PU-N**

Dematin (DMTN) Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | IF, IHC, WB |
| Recommended Dilution: | Western blot: 1/500-1/1000. Immunofluorescence: 1/50-1/200. Immunohistochemistry on Paraffin Sections: 1/50-1/200. |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Specificity: | This antibody detects endogenous levels of Dematin protein. |
| Formulation: | Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE). |
| Concentration: | 1.0 mg/ml |
| Purification: | Affinity Chromatography using epitope-specific immunogen |
| Conjugation: | Unconjugated |
| Storage: | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Predicted Protein Size: | ~ 50 kDa |
| Gene Name: | dematin actin binding protein |
| Database Link: | Entrez Gene 13829 Mouse Entrez Gene 2039 Human Q08495 |



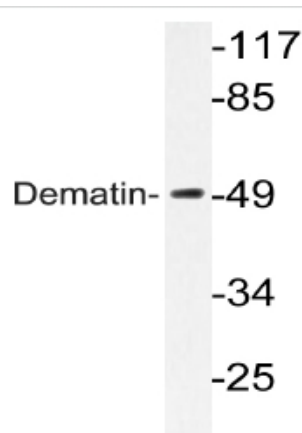
[View online »](#)

Background:

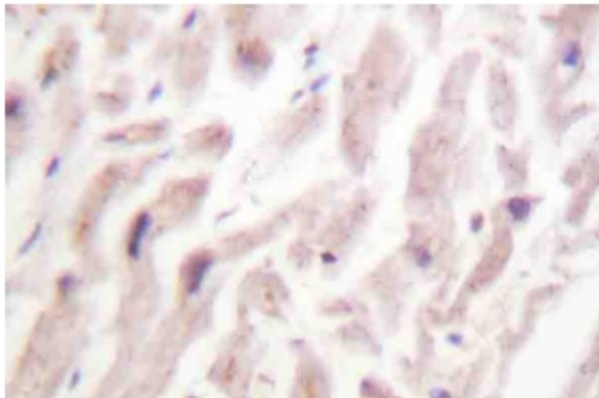
Caldesmon, filamin 1, nebulin, villin, plastin, ADF, gelsolin, Dematin, and cofilin are differentially expressed actin binding proteins. Dematin is a bundling protein of the erythrocyte membrane skeleton. Dematin is localized to the spectrin-actin junctions, and its actin-bundling activity is abolished upon phosphorylation by cAMP-dependent protein kinase. It may also play a role in the regulation of cell shape, implying a role in tumorigenesis. Dematin is a trimeric protein containing two subunits of 48 kDa and one subunit of 52 kDa. It is localized to the heart, brain, lung, skeletal muscle, and kidney. The Dematin gene is located on human chromosome 8p21.1, a region frequently deleted in prostate cancer, and mouse chromosome 14.

Synonyms:

EPB49, DMT

Product images:


Western blot analysis using AP20222PU-N Dematin antibody in extracts from 293 cells.



AP20222PU-N Dematin antibody staining of Paraffin-Embedded Human heart tissue by Immunohistochemistry.