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

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

General Information

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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