

Rabbit anti-Human, Mouse DMTN Polyclonal Antibody | anti-DMTN antibody

DMTN Polyclonal Antibody

CATALOG # AAA174856	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

DMTN; Polyclonal Antibody; DMTN Polyclonal Antibody; DEMA; Dematin; DMT; EPB49; Erythrocyte membrane protein band 4.9 (dematin); Erythrocyte membrane protein band 4.9; anti-DMTN antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purification
Form/Format	PBS with 0.05% NaN ₃ and 40% Glycerol, pH7.4
Concentration	1.5mg/mL (varies by lot)
Sequence Length	405
Applicable Applications for anti-DMTN antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Synthetic peptide of human DMTN
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using DMTN Polyclonal Antibody at dilution of 1:35 (x200)



WB (Western Blot)

Western blot analysis of 293T cell Human cerebrum tissue and Mouse brain tissue lysates using DMTN Polyclonal Antibody at dilution of 1:550

ADDITIONAL INFORMATION

Related Product Information for anti-DMTN antibody	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. DMTN (Dematin Actin Binding Protein) is a Protein Coding gene. Diseases associated with DMTN include Hypotrichosis and Hereditary Spherocytosis. Among its related pathways are Transport of glucose and other sugars, bile salts and organic acids, metal ions and amine compounds and Miscellaneous transport and binding events. GO annotations related to this gene include receptor binding and protein self-association. An important paralog of this gene is ABLIM1.
Product Categories/Family for anti-DMTN antibody	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	166706877
NCBI GeneID	2039
NCBI Accession #	NP_001107607.1
NCBI GenBank Nucleotide #	NP_001107607.1
UniProt Accession #	Q08495
Molecular Weight	46 kDa
NCBI Official Full Name	dematin isoform 1
NCBI Official Synonym Full Names	dematin actin binding protein
NCBI Official Symbol	DMTN
NCBI Official Synonym Symbols	DMT; EPB49
NCBI Protein Information	dematin
UniProt Protein Name	Dematin
UniProt Gene Name	EPB49
UniProt Synonym Gene Names	DMT
UniProt Entry Name	DEMA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dmtn-antibody-immunohistochemistry-western-blot-elisa/174856>