

DMD / Dystrophin Antibody
Rabbit Polyclonal Antibody
Catalog # ALS15460**Specification**

DMD / Dystrophin Antibody - Product Information

Application	IHC
Primary Accession	P11532
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	427kDa KDa

DMD / Dystrophin Antibody - Additional Information**Gene ID** 1756**Other Names**

Dystrophin, DMD

Target/Specificity

Human DMD / Dystrophin

Reconstitution & Storage

Store at -20°C.

Precautions

DMD / Dystrophin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

DMD / Dystrophin Antibody - Protein Information**Name** DMD**Function**

Anchors the extracellular matrix to the cytoskeleton via F- actin. Ligand for dystroglycan. Component of the dystrophin-associated glycoprotein complex which accumulates at the neuromuscular junction (NMJ) and at a variety of synapses in the peripheral and central nervous systems and has a structural function in stabilizing the sarcolemma. Also implicated in signaling events and synaptic transmission.

Cellular Location

Cell membrane, sarcolemma {ECO:0000250|UniProtKB:P11531}; Peripheral membrane protein {ECO:0000250|UniProtKB:P11531}; Cytoplasmic side {ECO:0000250|UniProtKB:P11531}. Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:P11531}. Postsynaptic cell membrane {ECO:0000250|UniProtKB:P11531}. Note=In muscle cells, sarcolemma localization requires the presence of ANK2, while localization to costameres requires the presence of ANK3. Localizes to neuromuscular junctions (NMJs). In adult muscle, NMJ localization depends upon ANK2 presence,

but not in newborn animals. {ECO:0000250|UniProtKB:P11531}

Tissue Location

Expressed in muscle fibers accumulating in the costameres of myoplasm at the sarcolemma. Expressed in brain, muscle, kidney, lung and testis. Most tissues contain transcripts of multiple isoforms. Isoform 15: Only isoform to be detected in heart and liver and is also expressed in brain, testis and hepatoma cells

Volume

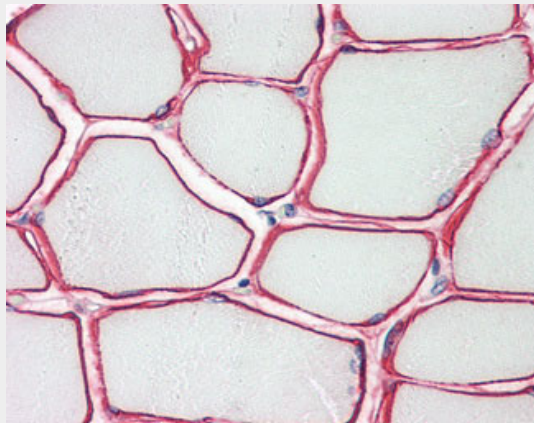
100 µl

DMD / Dystrophin Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DMD / Dystrophin Antibody - Images



Anti-Dystrophin antibody IHC of human skeletal muscle.

DMD / Dystrophin Antibody - Background

Anchors the extracellular matrix to the cytoskeleton via F-actin. Ligand for dystroglycan. Component of the dystrophin-associated glycoprotein complex which accumulates at the neuromuscular junction (NMJ) and at a variety of synapses in the peripheral and central nervous systems and has a structural function in stabilizing the sarcolemma. Also implicated in signaling events and synaptic transmission.

DMD / Dystrophin Antibody - References

Koenig M., et al. Cell 53:219-228(1988).
Rosenthal A., et al. Nucleic Acids Res. 17:5391-5391(1989).
Lederfein D., et al. Proc. Natl. Acad. Sci. U.S.A. 89:5346-5350(1992).

Ross M.T.,et al.Nature 434:325-337(2005).

Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.