

Anti-DMD / Dystrophin Antibody

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS17802

Product Information

Application	IHC-P
Primary Accession	P11532
Predicted	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	426778

Additional Information

Gene ID	1756
Alias Symbol	DMD
Other Names	DMD, BMD, CMD3B, DXS206, Dystrophin, DXS230, DXS239, DXS269, DXS142, DXS268, DXS164, DXS270, DXS272
Target/Specificity	c-terminal
Reconstitution & Storage	Affinity purified
Precautions	Anti-DMD / Dystrophin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	DMD (HGNC:2928)
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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.