

Rabbit Dystrophin Polyclonal Antibody | anti-DMD antibody

Dystrophin Antibody

CATALOG # AAA327661	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot
-------------------------------	-----------------------	--	--

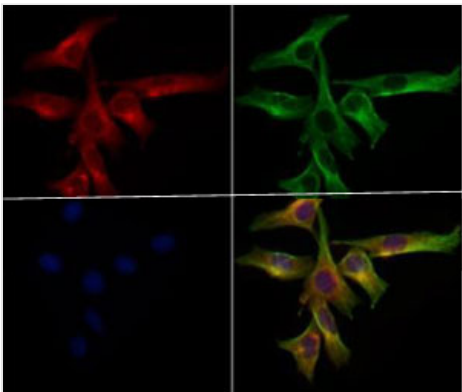
PRODUCT SYNONYMS

Dystrophin; Polyclonal Antibody; Dystrophin Antibody; BMD; CMD3B; DMD; DMD_HUMAN; Duchenne muscular dystrophy protein; Muscular dystrophy Duchenne and Becker types; anti-DMD antibody

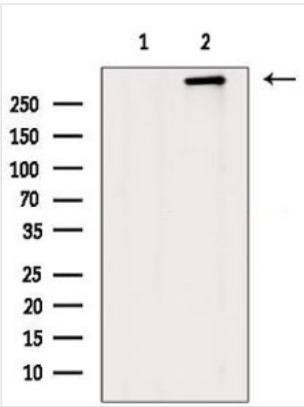
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Dystrophin antibody detects endogenous levels of total Dystrophin
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	3677
Applicable Applications for anti-DMD antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human Dystrophin, corresponding to a region within the internal amino acids.
Subcellular Location	Cell Membrane > Sarcolemma. Cytoplasm > Cytoskeleton.
Tissue Specificity	Expressed in muscle fibers accumulating in the costameres of myoplasm at the sarcolemma. Expressed in brain, muscle, kidney, lung and testis. Isoform 5 is expressed in heart, brain, liver, testis and hepatoma cells. Most tissues contain transcripts of multiple isoforms, however only isoform 5 is detected in heart and liver.
Predicted Cross Reactivity	Pig, Dog, Chicken
Similarity	Pig (100%), Dog (100%), Chicken (83%)
Important	For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA327661 staining 3T3 by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA327661 1:200) and mouse anti-beta tubulin Ab for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from Rat heart, using Dystrophin Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-DMD antibody	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. Subunit Structure: Interacts with SYNM (By similarity). Interacts with the syntrophins SNTA1, SNTB1, SNTB2, SNTG1 and SNTG2 (PubMed:7844150, PubMed:8576247). Interacts with KRT19 (PubMed:16000376). Component of the dystrophin-associated glycoprotein complex which is composed of three subcomplexes: a cytoplasmic complex comprised of DMD (or UTRN), DTNA and a number of syntrophins, such as SNTB1, SNTB2, SNTG1 and SNTG2, the transmembrane dystroglycan complex, and the sarcoglycan-sarcospan complex. Interacts with DAG1 (betaDAG1) with DMD; the interaction is inhibited by phosphorylation on the PPXY motif of DAG1 (PubMed:7592992, PubMed:11495720, PubMed:10932245). Interacts with CMYA5 (By similarity). Directly interacts with ANK2 and ANK3; these interactions do not interfere with betaDAG1-binding and are necessary for proper localization in muscle cells (By similarity). Identified in a dystroglycan complex that contains at least PRX, DRP2, UTRN, DMD and DAG1 (By similarity).
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	5032281
NCBI GeneID	1756
NCBI Accession #	NP_000100.2
NCBI GenBank Nucleotide #	NM_000109.3
UniProt Accession #	P11532; Q02295; Q14169; Q14170; Q5JYU0; Q6NSJ9; Q7KZ48; Q8N754; Q9UCW3; Q9UCW4; E9PDN1
Molecular Weight	Observed: 427 kDa Predicted: 427 kDa
NCBI Official Full Name	dystrophin isoform Dp427c
NCBI Official Synonym Full Names	dystrophin
NCBI Official Symbol	DMD
NCBI Official Synonym Symbols	BMD; CMD3B; MRX85; DXS142; DXS164; DXS206; DXS230; DXS239; DXS268; DXS269; DXS270; DXS272
NCBI Protein Information	dystrophin
UniProt Protein Name	Dystrophin

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/dystrophin-antibody-western-blot-elisa/327661>