

Rabbit DMD Polyclonal Antibody | anti-DMD antibody

DMD Polyclonal Antibody

CATALOG # AAA10720	HOST Rabbit	APPLICATIONS Western Blot, Immunofluorescence
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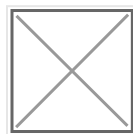
PRODUCT SYNONYMS

DMD; Polyclonal Antibody; DMD Polyclonal Antibody; BMD; CMD3B; DXS142; DXS164; DXS206; DXS230; DXS239; DXS268; DXS269; DXS270; DXS272; anti-DMD antibody

PRODUCT SPECIFICATIONS

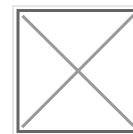
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Concentration	1mg/ml (varies by lot)
Sequence Length	3685
Applicable Applications for anti-DMD antibody	WB (Western Blot), IF (Immunofluorescence)
Application Notes	WB: 1:500 - 1:1000 IHC-P 1:50 - 1:200 IF/ICC 1:50 - 1:200
Species Reactivity/Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 346-635 of human Dystrophin (NP_003997.2).
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of paraffin-embedded mouse skeletal muscle using Dystrophin Rabbit pAb (AAA10720) at dilution of 1:50 (40x lens).Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (at 1:500 dilution. Blue: DAPI for nuclear staining.Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



IF (Immunofluorescence)

Immunofluorescence analysis of paraffin-embedded Human skeletal muscle using Dystrophin Rabbit pAb (AAA10720) at dilution of 1:50 (40x lens).Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



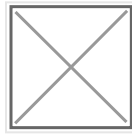
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded rat heart using Dystrophin Rabbit pAb (AAA10720) at dilution of 1:20 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



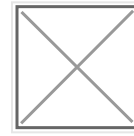
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded mouse heart using Dystrophin Rabbit pAb (AAA10720) at dilution of 1:20 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human skeletal muscle using Dystrophin Rabbit pAb (AAA10720) at dilution of 1:20 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



WB (Western Blot)

Western blot analysis of various lysates using Dystrophin Rabbit pAb (AAA10720) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-DMD antibody

The dystrophin gene is the largest gene found in nature, measuring 2.4 Mb. The gene was identified through a positional cloning approach, targeted at the isolation of the gene responsible for Duchenne (DMD) and Becker (BMD) Muscular Dystrophies. DMD is a recessive, fatal, X-linked disorder occurring at a frequency of about 1 in 3,500 new-born males. BMD is a milder allelic form. In general, DMD patients carry mutations which cause premature translation termination (nonsense or frame shift mutations), while in BMD patients dystrophin is reduced either in molecular weight (derived from in-frame deletions) or in expression level. The dystrophin gene is highly complex, containing at least eight independent, tissue-specific promoters and two polyA-addition sites. Furthermore, dystrophin RNA is differentially spliced, producing a range of different transcripts, encoding a large set of protein isoforms. Dystrophin (as encoded by the Dp427 transcripts) is a large, rod-like cytoskeletal protein which is found at the inner surface of muscle fibers. Dystrophin is part of the dystrophin-glycoprotein complex (DGC), which bridges the inner cytoskeleton (F-actin) and the extra-cellular matrix. [provided by RefSeq, Jul 2008]

Product Categories/Family for anti-DMD antibody

Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	313104240
NCBI GeneID	1756
UniProt Accession #	P11532; Q02295; Q14169; Q14170; Q5JYU0; Q6NSJ9; Q7KZ48; Q8N754; Q9UCW3; Q9UCW4; E9PDN1
Molecular Weight	Observed MW: 427kDa Calculated MW: 427kDa
NCBI Official Full Name	Dystrophin
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
UniProt Gene Name	DMD
UniProt Entry Name	DMD_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/dmd-antibody-western-blot-immunofluorescence-elisa/10720>