

Dystrophin Polyclonal Antibody | anti-DMD antibody

Anti-Dystrophin Antibody

CATALOG # AAA46268	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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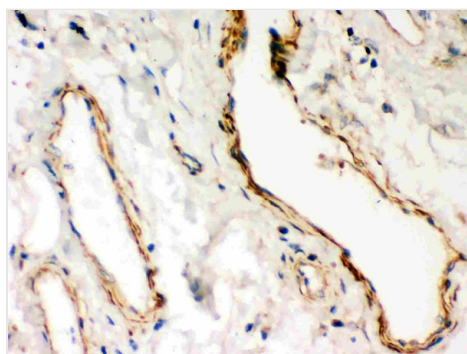
PRODUCT SYNONYMS

Dystrophin; Polyclonal Antibody; Anti-Dystrophin Antibody; Apo dystrophin; BMD; CMD3B; DMD; DMD_HUMAN; Duchenne muscular dystrophy protein; DXS142; DXS164; DXS206; DXS230; DXS239; DXS268; DXS269; DXS270; DXS272; Muscular dystrophy Duchenne and Becker types; dystrophin; anti-DMD antibody

PRODUCT SPECIFICATIONS

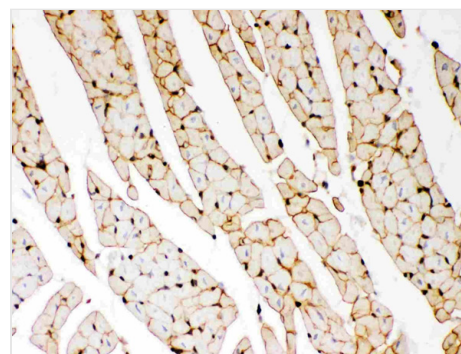
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	3677
Applicable Applications for anti-DMD antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human Dystrophin recombinant protein (Position: H3076-D3404). Human Dystrophin shares 100% amino acid (aa) sequence identity with mouse Dystrophin.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



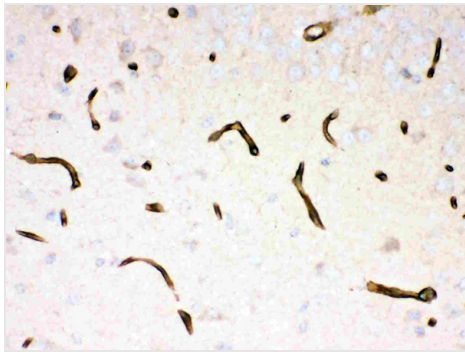
IHC (Immunohistochemistry)

Anti- Dystrophin Picoband antibody, AAA46268, IHC(P)IHC(P): Human Lung Cancer Tissue

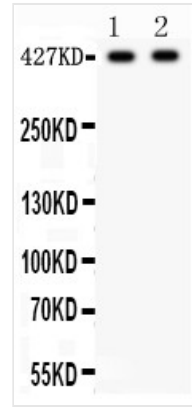


IHC (Immunohistochemistry)

Anti- Dystrophin Picoband antibody, AAA46268, IHC(P)IHC(P): Rat Cardiac Muscle Tissue



IHC (Immunohistochemistry)
Anti- Dystrophin Picoband antibody, AAA46268, IHC(P)IHC(P): Mouse Brain Tissue



WB (Western Blot)
Anti- Dystrophin Picoband antibody, AAA46268, Western blottingAll lanes: Anti Dystrophin (AAA46268) at 0.5ug/mlLane 1: SMMC Whole Cell Lysate at 40ugLane 2: HEPA Whole Cell Lysate at 40ugPredicted bind size: 427KDObserved bind size: 427KD

ADDITIONAL INFORMATION

Related Product Information for anti-DMD antibody	Description: Rabbit IgG polyclonal antibody for Dystrophin(DMD) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: Dystrophin, also known as DMD, is a rod-shaped cytoplasmic protein, and a vital part of a protein complex that connects the cytoskeleton of a muscle fiber to the surrounding extracellular matrix through the cell membrane. It is mapped to Xp21.2-p21.1. This complex is variously known as the costamere or the dystrophin-associated protein complex. Many muscle proteins, such as alpha-dystrobrevin, syncoilin, synemin, sarcoglycan, dystroglycan, and sarcospan, colocalize with dystrophin at the costamere. Dystrophin is a protein located between the sarcolemma and the outermost layer of myofilaments in the muscle fiber (myofiber). It is a cohesive protein, linking actin filaments to another support protein that resides on the inside surface of each muscle fiber's plasma membrane (sarcolemma).
References	1. Tennyson CN, Klamut HJ, Worton RG (1995). "The human dystrophin gene requires 16 hours to be transcribed and is cotranscriptionally spliced". <i>Nature Genetics</i> 9 (2): 184-90. 2. García-Pelagio KP, Bloch RJ, Ortega A, González-Serratos H (2011). "Biomechanics of the sarcolemma and costameres in single skeletal muscle fibers from normal and dystrophin- null mice". <i>J Muscle Res Cell Motil</i> 31 (5-6): 323-336. 3. Strachan T and Read AP, 1999. <i>Human molecular genetics</i>, BIOS Scientific, New York, USA

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	57,953 Da
NCBI Official Full Name	dystrophin Dp427c isoform
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

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/dystrophin-antibody-immunohistochemistry-western-blot-elisa/46268>