

Datasheet for ABIN6939242
anti-Dystrophin antibody (AA 114-263)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	Dystrophin (DMD)
Binding Specificity:	AA 114-263
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Dystrophin antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Coating (Coat), Staining Methods (StM)

Product Details

Immunogen:	A recombinant fragment (around aa 114-263) of human DMD protein (exact sequence is proprietary)
Clone:	DMD-3242
Isotype:	IgG2b kappa
Purification:	Purified by Protein A/G

Target Details

Target:	Dystrophin (DMD)
Alternative Name:	DMD (DMD Products)
Background:	Dystrophin-glycoprotein complex (DGC) connects the F-Actin cytoskeleton on the inner surface

Target Details

of muscle fibers to the surrounding extracellular matrix, through the cell membrane interface. A deficiency in this protein contributes to Duchenne (DMD) and Becker (BMD) muscular dystrophies. The human dystrophin gene measures 2.4 megabases, has more than 80 exons, produces a 14 kb mRNA and contains at least 8 independent tissue-specific promoters and 2 poly A sites. The dystrophin mRNA can undergo differential splicing and produce a range of transcripts that encode a large set of proteins. Dystrophin represents approximately 0.002 % of total striated muscle protein and localizes to triadic junctions in skeletal muscle, where it is thought to influence calcium ion homeostasis and force transmission.

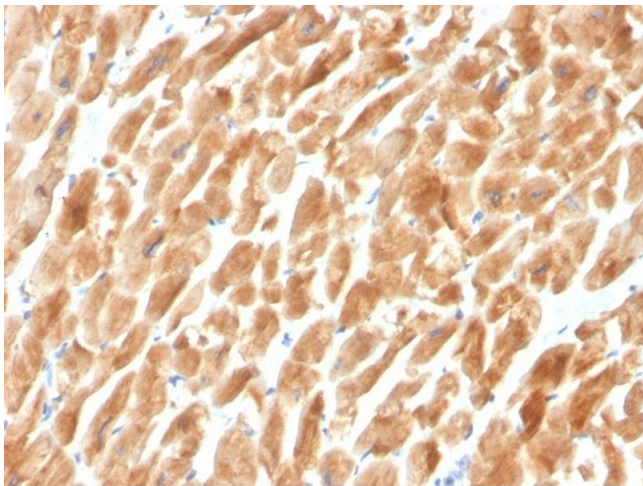
Molecular Weight:	427kDa
Gene ID:	1756
UniProt:	P11532
Pathways:	Skeletal Muscle Fiber Development

Application Details

Application Notes:	Positive Control: Human skeletal muscle and heart muscle tissues (IHC). Known Application: ELISA (For coating, order Ab without BSA),Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months

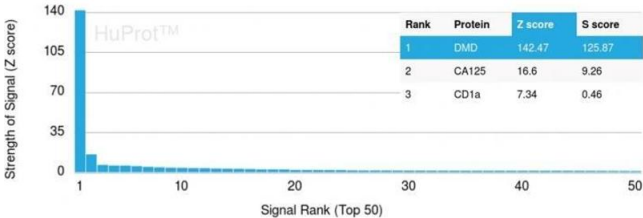


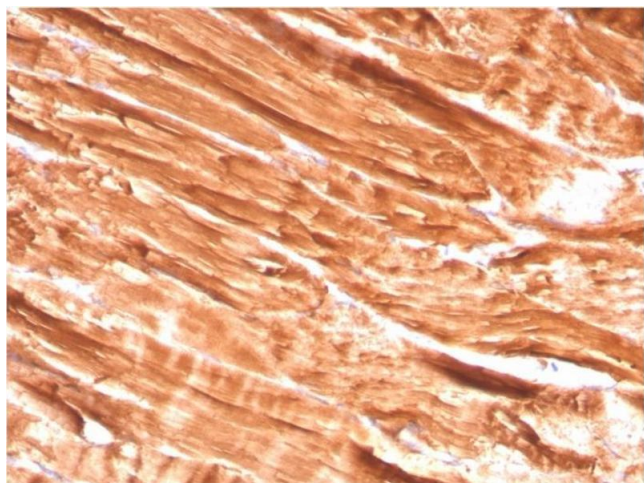
Immunohistochemistry

Image 1. Formalin-fixed, paraffin-embedded human cardiac muscle stained with Dystrophin Monospecific Mouse Monoclonal Antibody (DMD/3242).

Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using Dystrophin Monospecific Mouse Monoclonal Antibody (DMD/3242). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.





Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Skeletal Muscle stained with Dystrophin Monospecific Mouse Monoclonal Antibody (DMD/3242).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6939242.