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Datasheet for ABIN3043317 anti-Dystrophin antibody (AA 3076-3404)

5 Images



Overview

Quantity:	100 µg
Target:	Dystrophin (DMD)
Binding Specificity:	AA 3076-3404
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Dystrophin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Dystrophin(DMD) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	E.coli-derived human Dystrophin recombinant protein (Position: H3076-D3404). Human Dystrophin shares 100% amino acid (aa) sequence identity with mouse Dystrophin.
lsotype:	lgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Dystrophin(DMD) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: dystrophin Protein Name: Dystrophin
Purification:	Immunogen affinity purified.

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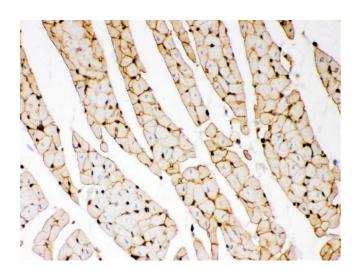
Target Details	
Target:	Dystrophin (DMD)
Alternative Name:	DMD (DMD Products)
Background:	Dystrophin, also known as DMD, is a rod-shaped cytoplasmic protein, and a vital part of a protein complex that connects the cytoskeleton of a muscle fiber to the surrounding extracellular matrix through the cell membrane. It is mapped to Xp21.2-p21.1. This complex is variously known as the costamere or thedystrophin-associated protein complex. Many muscle proteins, such as α-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).
Gene ID:	dystrophy Duchenne and Becker types antibody 1756
UniProt:	P11532
Pathways:	Skeletal Muscle Fiber Development
Application Details	
Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human,Mouse, Rat , The detection limit for Dystrophin is approximately 0.25 ng/lane under reducing conditions. IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

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Handling

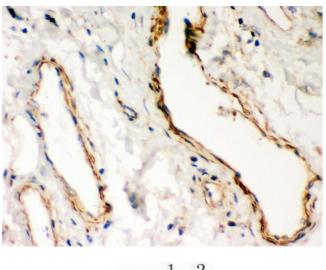
Format: Reconstitution: Concentration: Buffer: Preservative: Precaution of Use:	Lyophilized Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration: Buffer: Preservative:	
Buffer: Preservative:	
Preservative:	500 μg/mL
	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Precaution of Lise:	Sodium azide
r recaution of ose.	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



Immunohistochemistry

Image 1. Anti- Dystrophin Picoband antibody, IHC(P) IHC(P): Rat Cardiac Muscle Tissue



1 2 427KD- - - -250KD-130KD-100KD-70KD-55KD-

Immunohistochemistry

Image 2. Anti- Dystrophin Picoband antibody, IHC(P) IHC(P): Human Lung Cancer Tissue

Western Blotting

Image 3. Anti- Dystrophin Picoband antibody, Western blotting All lanes: Anti Dystrophin at 0.5ug/ml Lane 1: SMMC Whole Cell Lysate at 40ug Lane 2: HEPA Whole Cell Lysate at 40ug Predicted bind size: 427KD Observed bind size: 427KD

Please check the product details page for more images. Overall 5 images are available for ABIN3043317.