

Product Datasheet

Dystrophin Antibody / DMD (orb1822601)

Catalog Number	orb1822601
Category	Antibodies
Description	Dystrophin-glycoprotein complex (DGC) connects the F-Actin cytoskeleton on the inner surface 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.
Clonality	Recombinant
Species/Host	Rabbit
Isotype	Rabbit IgG, kappa
Conjugation	Unconjugated
Reactivity	Human
Purification	Protein A/G affinity
Immunogen	A recombinant partial protein sequence (within amino acids 1700-2300) from the human protein was used as the immunogen for the Dystrophin antibody.
UniProt ID	P11532
Tested applications	IHC-P

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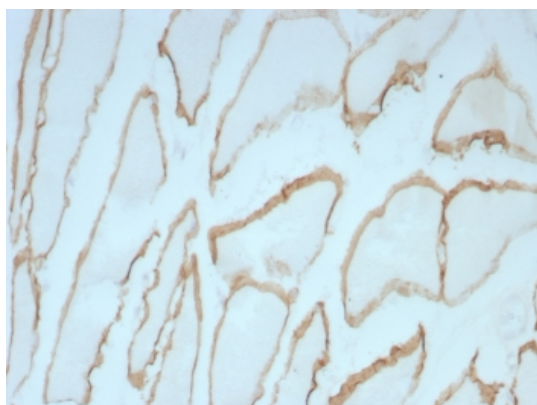
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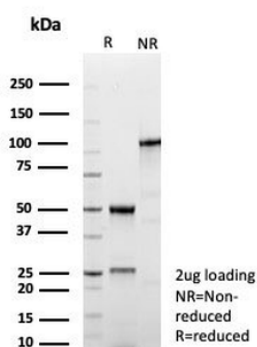
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Dilution range	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Application notes	Optimal dilution of the Dystrophin antibody should be determined by the researcher.
Antibody Type	Primary Antibody
Clone Number	DMD/8773R
Formula	1 mg/ml in 1X PBS; BSA free, sodium azide free
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only



IHC staining of FFPE human skeletal muscle tissue with Dystrophin antibody (clone DMD/8773R). HIER: boil tissue sections in pH9 10 mM Tris with 1 mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free Dystrophin antibody (clone DMD/8773R) as confirmation of integrity and purity.

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