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Product datasheet

Anti-Dystrophin antibody [MANDRA1] ab7164

★★★★★ 1 Abreviews 23 References 画像数 1

製品の概要

製品名	Anti-Dystrophin antibody [MANDRA1]
製品の詳細	Mouse monoclonal [MANDRA1] to Dystrophin
由来種	Mouse
アプリケーション	**適用あり:** IHC-Fr, WB, ELISA, ICC/IF **適用なし:** IHC-P
種交差性	**交差種:** Mouse, Rat, Human, Fish
免疫原	Recombinant fragment within Human Dystrophin aa 3200-3700. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please **contact** our Scientific Support team to discuss your requirements.
エピトープ	128 amino acids at the end of the C-terminal domain of the human dystrophin molecule (a.a. residues 3558-3684).
ポジティブ・コントロール	lympho blastoid cells, cultures of brain astroglial and neuronal cells, liver and Hep G2 cells
特記事項	The C-terminal domain of the human dystrophin molecule (a.a. residues 3558-3684) is present in normal muscle tissue. It is also present in nearly all Becker muscular dystrophies, but is absent in cases of Duchenne muscular dystrophies and in the dystrophic mouse (mdx). This product was changed from ascites to tissue culture supernatant on 17 May 2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team. The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

製品の特性

製品の状態	Liquid

保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.0975% Sodium azide Constituent: 0.411% PBS
精製度	Proprietary Purification
特記事項（精製）	Purified from culture supernatant of hybridoma cells with proprietary method.
一次抗体 備考	The C-terminal domain of the human dystrophin molecule (a.a. residues 3558-3684) is present in normal muscle tissue. It is also present in nearly all Becker muscular dystrophies, but is absent in cases of Duchenne muscular dystrophies and in the dystrophic mouse (mdx).
ポリ/モノ	モノクローナル
クローン名	MANDRA1
アイソタイプ	IgG1

アプリケーション

The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab7164の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-Fr		Use at an assay dependent concentration.
WB	★★★★★ (1)	Use at an assay dependent concentration.
ELISA		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration. PubMed: 22869749

追加情報 Is unsuitable for IHC-P.

ターゲット情報

機能	Anchors the extracellular matrix to the cytoskeleton via F-actin. Ligand for dystroglycan. Component of the dystrophin-associated glycoprotein complex which accumulates at the neuromuscular junction (NMJ) and at a variety of synapses in the peripheral and central nervous systems and has a structural function in stabilizing the sarcolemma. Also implicated in signaling events and synaptic transmission.
組織特異性	Expressed in muscle fibers accumulating in the costameres of myoplasm at the sarcolemma. Expressed in brain, muscle, kidney, lung and testis. Isoform 5 is expressed in heart, brain, liver, testis and hepatoma cells. Most tissues contain transcripts of multiple isoforms, however only isoform 5 is detected in heart and liver.
関連疾患	Defects in DMD are the cause of Duchenne muscular dystrophy (DMD) [MIM:310200]. DMD is the most common form of muscular dystrophy; a sex-linked recessive disorder. It typically presents in boys aged 3 to 7 year as proximal muscle weakness causing waddling gait, toe-walking, lordosis, frequent falls, and difficulty in standing up and climbing up stairs. The pelvic girdle is affected first, then the shoulder girdle. Progression is steady and most patients are confined to a wheelchair by age of 10 or 12. Flexion contractures and scoliosis ultimately occur.

About 50% of patients have a lower IQ than their genetic expectations would suggest. There is no treatment.
Defects in DMD are the cause of Becker muscular dystrophy (BMD) [MIM:300376]. BMD resembles DMD in hereditary and clinical features but is later in onset and more benign.
Defects in DMD are a cause of cardiomyopathy dilated X-linked type 3B (CMD3B) [MIM:302045]; also known as X-linked dilated cardiomyopathy (XLCM). Dilated cardiomyopathy is a disorder characterized by ventricular dilation and impaired systolic function, resulting in congestive heart failure and arrhythmia. Patients are at risk of premature death.

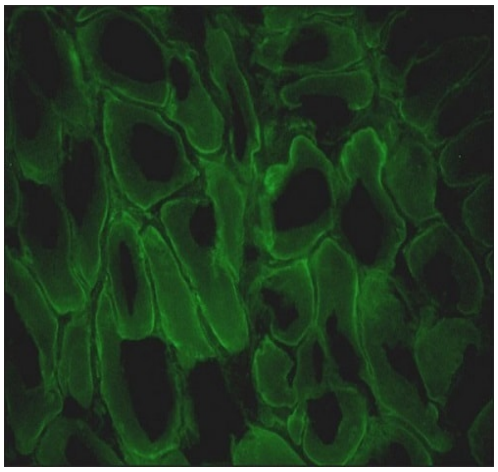
配列類似性

Contains 2 CH (calponin-homology) domains.
Contains 22 spectrin repeats.
Contains 1 WW domain.
Contains 1 ZZ-type zinc finger.

細胞内局在

Cell membrane > sarcolemma. Cytoplasm > cytoskeleton.

画像



Immunohistochemistry (Frozen sections) - Anti-Dystrophin antibody [MANDRA1] (ab7164)

ab7164 staining Dystrophin in frozen human tongue tissue sections by Immunohistochemistry (IHC - Fr- Frozen sections). Samples were incubated 1:100 dilution. A Goat Anti-mouse, FITC- conjugate was used as the secondary antibody.

This image was generated using the ascites version of the product.

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