


Anti-Slow Skeletal Myosin Heavy chain antibody [NOQ7.5.4D] ab11083

★★★★★ [14 Abreviews](#) [99 References](#) [画像数 4](#)

製品の概要

製品名	Anti-Slow Skeletal Myosin Heavy chain antibody [NOQ7.5.4D]
製品の詳細	Mouse monoclonal [NOQ7.5.4D] to Slow Skeletal Myosin Heavy chain
由来種	Mouse
アプリケーション	適用あり: IHC-P, WB
種交差性	交差種: Rat, Rabbit 交差が予測される動物種: Sheep, Goat, Chicken, Guinea pig, Hamster, Cow, Cat, Dog, Human, Pig 
免疫原	Full length native protein (purified) corresponding to Human Slow Skeletal Myosin Heavy chain. Human skeletal muscle myosin purified from myofibrils.
ポジティブ・コントロール	IHC-P: Rabbit tongue tissue. WB: Rat skeletal muscle tissue extract.
特記事項	<p>This product was changed from ascites to tissue culture supernatant on 25th October 2016. The following lot(s) is/are from ascites and is still in stock as of 25th October 2016- GR201056, GR231200, GR285981. Lot numbers other than GR201056, GR231200, GR285981 will be from tissue culture supernatant. Please note that the dilutions may need to be adjusted accordingly.</p> <p>Storage in frost-free freezers is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use.</p> <p>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.</p> <p>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</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

バッファー	pH: 7.40 Preservative: 0.097% Sodium azide Constituent: PBS
精製度	Proprietary Purification
特記事項 (精製)	Purified from Tissue culture supernatant.
ポリ/モノ	モノクローナル
クローン名	NOQ7.5.4D
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ab11083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-P	★★★★★ (5)	Use a concentration of 2.5 - 5 µg/ml. Perform enzymatic antigen retrieval before commencing with IHC staining protocol.
WB	★★★★★ (1)	Use a concentration of 1.25 - 2.5 µg/ml. Detects a band of approximately 200 kDa (predicted molecular weight: 200 kDa).

ターゲット情報

機能	Muscle contraction.
組織特異性	Both wild type and variant Gln-403 are detected in skeletal muscle (at protein level).
関連疾患	<p>Defects in MYH7 are the cause of cardiomyopathy familial hypertrophic type 1 (CMH1) [MIM:192600]. Familial hypertrophic cardiomyopathy is a hereditary heart disorder characterized by ventricular hypertrophy, which is usually asymmetric and often involves the interventricular septum. The symptoms include dyspnea, syncope, collapse, palpitations, and chest pain. They can be readily provoked by exercise. The disorder has inter- and intrafamilial variability ranging from benign to malignant forms with high risk of cardiac failure and sudden cardiac death.</p> <p>Defects in MYH7 are the cause of myopathy myosin storage (MYOMS) [MIM:608358]. In this disorder, muscle biopsy shows type 1 fiber predominance and increased interstitial fat and connective tissue. Inclusion bodies consisting of the beta cardiac myosin heavy chain are present in the majority of type 1 fibers, but not in type 2 fibers.</p> <p>Defects in MYH7 are the cause of scapuloperoneal myopathy MYH7-related (SPMM) [MIM:181430]; also known as scapuloperoneal syndrome myopathic type. SPMM is a progressive muscular atrophy beginning in the lower legs and affecting the shoulder region earlier and more severely than distal arm.</p> <p>Defects in MYH7 are a cause of cardiomyopathy dilated type 1S (CMD1S) [MIM:613426]. 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.</p> <p>Defects in MYH7 are the cause of myopathy distal type 1 (MPD1) [MIM:160500]. MPD1 is a muscular disorder characterized by early-onset selective weakness of the great toe and ankle dorsiflexors, followed by weakness of the finger extensors. Mild proximal weakness occasionally develops years later after the onset of the disease.</p>

配列類似性

Contains 1 IQ domain.
Contains 1 myosin head-like domain.

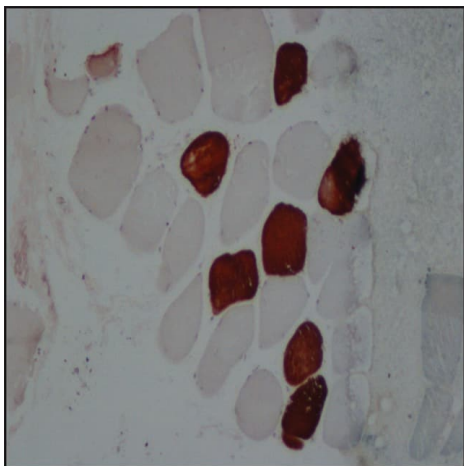
ドメイン

The rodlike tail sequence is highly repetitive, showing cycles of a 28-residue repeat pattern composed of 4 heptapeptides, characteristic for alpha-helical coiled coils.
Each myosin heavy chain can be split into 1 light meromyosin (LMM) and 1 heavy meromyosin (HMM). It can later be split further into 2 globular subfragments (S1) and 1 rod-shaped subfragment (S2).

細胞内局在

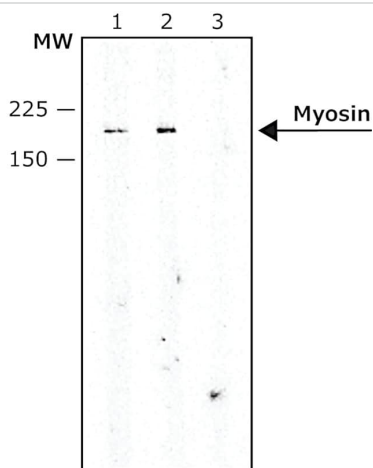
Cytoplasm > myofibril. Thick filaments of the myofibrils.

画像



Immunohistochemical analysis of formalin-fixed, paraffin-embedded rabbit tongue tissue staining Skeletal Myosin Heavy chain using ab11083 at 2.5 µg/mL.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Slow Skeletal Myosin Heavy chain antibody [NOQ7.5.4D] (ab11083)



Lane 1 : Anti-Slow Skeletal Myosin Heavy chain antibody [NOQ7.5.4D] (ab11083) at 1.25 µg/ml

Lane 2 : Anti-Slow Skeletal Myosin Heavy chain antibody [NOQ7.5.4D] (ab11083) at 2.5 µg/ml

Lane 3 : Negative control antibody

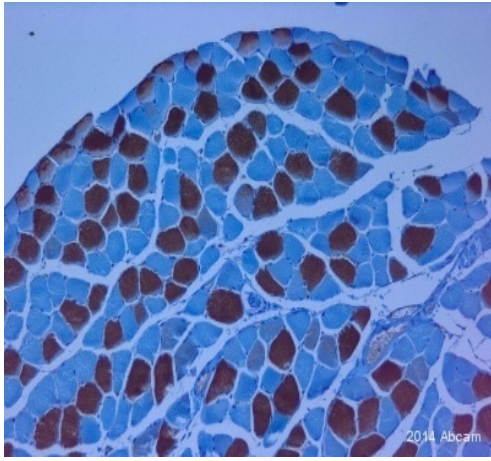
All lanes : Rat skeletal muscle

Secondary

All lanes : Anti-Mouse IgG (Fac-specific)-peroxidase conjugate at 1/5000 dilution

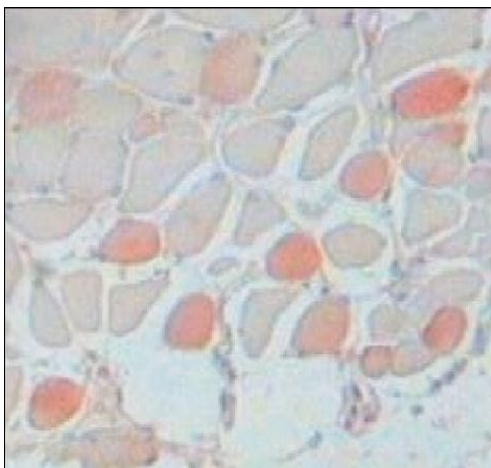
Western blot - Anti-Slow Skeletal Myosin Heavy chain antibody [NOQ7.5.4D] (ab11083)

Predicted band size: 200 kDa



ab11083 at 1/500 dilution, staining Slow Skeletal Myosin Heavy chain in mouse tissue sections by Immunohistochemistry (Formalin/PFA-fixed paraffin embedded sections).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Slow Skeletal Myosin Heavy chain antibody [NOQ7.5.4D] (ab11083)



ab11083 at 1/4000 dilution, staining Slow Skeletal Myosin Heavy chain in rabbit tongue tissue section by Immunohistochemistry (Formalin/PFA-fixed paraffin embedded sections).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Slow Skeletal Myosin Heavy chain antibody [NOQ7.5.4D] (ab11083)

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