abcam

Product datasheet

Anti-Alpha Skeletal Muscle Actin antibody ab113417

2 References　画像数 2

製品の概要

製品名	Anti-Alpha Skeletal Muscle Actin antibody
製品の詳細	Rabbit polyclonal to Alpha Skeletal Muscle Actin
特異性	ab113417 does not react to smooth muscle actin.
アプリケーション	**適用あり:** WB, IP, IHC-P
種交差性	**交差種:** Mouse, Rat, Chicken, Cow, Human
免疫原	Synthetic peptide derived from N-terminus of Human skeletal muscle Actin. This sequence is identical in Human, Rat, Mouse, Dog, Bovine, Guinea pig, Sheep and Frog origins.
ポジティブ・コントロール	Mouse Skeletal Muscle lysate

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	pH: 7.20 Preservative: 0.01% Proclin Constituents: 99% PBS, BSA
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our Abpromise guarantee covers the use of **ab113417** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 0.1 - 1 µg/ml. Detects a band of approximately 42 kDa (predicted molecular weight: 42 kDa).
IP		Use a concentration of 2 - 5 µg/ml.
IHC-P		Use a concentration of 2 - 5 µg/ml. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

ターゲット情報

機能

Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.

関連疾患

Defects in ACTA1 are the cause of nemaline myopathy type 3 (NEM3) [MIM:161800]. A form of nemaline myopathy. Nemaline myopathies are muscular disorders characterized by muscle weakness of varying severity and onset, and abnormal thread-or rod-like structures in muscle fibers on histologic examination. The phenotype at histological level is variable. Some patients present areas devoid of oxidative activity containg (cores) within myofibers. Core lesions are unstructured and poorly circumscribed.
Defects in ACTA1 are a cause of myopathy congenital with excess of thin myofilaments (MPCETM) [MIM:161800]. A congenital muscular disorder characterized at histological level by areas of sarcoplasm devoid of normal myofibrils and mitochondria, and replaced with dense masses of thin filaments. Central cores, rods, ragged red fibers, and necrosis are absent.
Defects in ACTA1 are a cause of congenital myopathy with fiber-type disproportion (CFTD) [MIM:255310]; also known as congenital fiber-type disproportion myopathy (CFTDM). CFTD is a genetically heterogeneous disorder in which there is relative hypotrophy of type 1 muscle fibers compared to type 2 fibers on skeletal muscle biopsy. However, these findings are not specific and can be found in many different myopathic and neuropathic conditions.

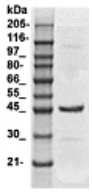
配列類似性

Belongs to the actin family.

細胞内局在

Cytoplasm > cytoskeleton.

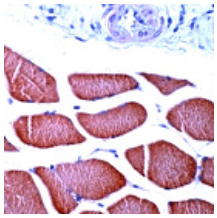
画像



Western blot - skeletal muscle Actin antibody (ab113417)

Anti-Alpha Skeletal Muscle Actin antibody (ab113417) at 1/500 dilution + Mouse skeletal muscle lysate

Predicted band size : 42 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - skeletal muscle Actin antibody (ab113417)

Skeletal muscle tissue stained with ab113417 at a dilution of 1/200.

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit http://www.abcam.co.jp/abpromise or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors