abcam

Product datasheet

Anti-Actin antibody [MSA06] ab18146

製品の概要

製品名	Anti-Actin antibody [MSA06]
製品の詳細	Mouse monoclonal [MSA06] to Actin
由来種	Mouse
特異性	Reacts with alpha- smooth muscle as well as alpha-skeletal and alpha-cardiac (sarcomeric) isoform of actin. Reacts with tumors arising from smooth muscle (leiomyosarcomas) as well as skeletal muscle (rhabdomyosarcomas). The clone number has been updated from (3F10) to (MSA06) both clone numbers name the same antibody clone. This the same as clone (HUC1–1).
アプリケーション	**適用あり:** IHC-P, ICC/IF
種交差性	**交差種:** Mouse, Rat, Horse, Chicken, Dog, Human, Pig **交差が予測される動物種:** Silk worm
免疫原	Full length purified Actin (Human).
ポジティブ・コントロール	Muscle or sarcoma

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: 7.40 Preservative: 0.09% Sodium azide Constituents: PBS, 0.2% BSA
精製度	Protein G purified
ポリ/モノ	モノクローナル
クローン名	MSA06
アイソタイプ	IgG1
軽鎖の種類	kappa

アプリケーション

Our Abpromise guarantee covers the use of **ab18146** 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
IHC-P		Use a concentration of 1 - 2 µg/ml.
ICC/IF		Use at an assay dependent concentration.

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.

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