abcam

Product datasheet

Anti-Pan Muscle Alpha Actin antibody [MSA06], prediluted ab75373

2 References　1 图像

概述

产品名称	Anti-Pan Muscle Alpha Actin抗体[MSA06], prediluted
描述	小鼠单克隆抗体[MSA06] to Pan Muscle Alpha Actin , prediluted
特异性	ab75373 reacts with alpha smooth muscle as well as alpha skeletal and alpha cardiac (sarcomeric) isoform of actin. ab75373 is a pan muscle actin and reacts with tumors arising from smooth muscle (leiomyosarcomas) as well as skeletal muscle (rhabdomyosarcomas).
经测试应用	**适用于:** IHC-P
种属反应性	**与反应:** Mouse, Rat, Horse, Cow, Dog, Human, Pig
免疫原	Purified actin
阳性对照	Human rectum tissue.

性能

形式	Prediluted
存放说明	Shipped at 4°C. Store at +4°C.
纯度	Protein G purified
纯化说明	ab75373 is purified from ascites fluid by Protein G chromatography.
克隆	单克隆
克隆编号	MSA06
同种型	IgG1
轻链类型	kappa

应用

Our Abpromise guarantee covers the use of **ab75373** in the following tested applications.

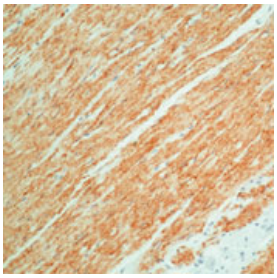
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
IHC-P		1/1.

靶标

功能	Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.
疾病相关	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, actin, 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.
序列相似性	Belongs to the actin family.
翻译后修饰	Oxidation of Met-46 by MICALs (MICAL1, MICAL2 or MICAL3) to form methionine sulfoxide promotes actin filament depolymerization. Methionine sulfoxide is produced stereospecifically, but it is not known whether the (S)-S-oxide or the (R)-S-oxide is produced.
细胞定位	Cytoplasm > cytoskeleton.

图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Pan Muscle Alpha Actin antibody [MSA06], prediluted (ab75373)

ab75373, at 1 µg/ml, staining Pan Muscle Alpha Actin in formalin fixed, paraffin embedded human rectum tissue by Immunohistochemistry, using peroxidase conjugate and AEC chromogen. Note cytoplasmic staining of smooth muscles.

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