abcam

Product datasheet

# Anti-Alpha Skeletal Muscle Actin antibody ab97378

1 Abreviews 1 References 1 图像

## 概述

| | |
|---|---|
| **产品名称** | Anti-Alpha Skeletal Muscle Actin抗体 |
| **描述** | **兔多克隆抗体**to Alpha Skeletal Muscle Actin |
| **宿主** | Rabbit |
| **经测试应用** | **适用于:** WB |
| **种属反应性** | **与反应:** Human<br>**预测可用于:** Cow, Zebrafish |
| **免疫原** | Recombinant fragment, corresponding to a region within amino acids 99-364 of Human alpha sarcomeric Actin |
| **阳性对照** | 293T, A431, H1299, HeLaS3, HepG2, Molt-4 and Raji cells |
| **常规说明** | 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.<br>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 |

## 性能

| | |
|---|---|
| **形式** | Liquid |
| **存放说明** | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |
| **存储溶液** | pH: 7.00<br>Preservative: 0.025% Proclin 300<br>Constituents: 79% PBS, 20% Glycerol (glycerin, glycerine) |
| **纯度** | Immunogen affinity purified |
| **克隆** | **多克隆** |
| **同种型** | IgG |

## 应用

**The Abpromise guarantee** **Abpromise™承诺保证使用ab97378于以下的经测试应用**

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

| 应用 | Ab评论 | 说明 |
|---|---|---|
| **WB** | ★★★☆☆ (1) | 1/500 - 1/3000. Predicted molecular weight: 42 kDa. |

## 靶标

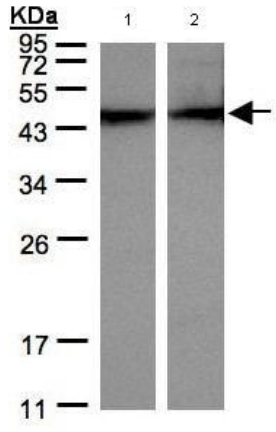
**功能** Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.

**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 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.

**细胞定位** Cytoplasm > cytoskeleton.

## 图片




Western blot - Anti-Alpha Skeletal Muscle Actin antibody (ab97378)

**All lanes :** Anti-Alpha Skeletal Muscle Actin antibody (ab97378) at 1/500 dilution

**Lane 1 :** HeLaS3 whole cell lysate

**Lane 2 :** Molt-4 whole cell lysate

Lysates/proteins at 30 µg per lane.

**Predicted band size:** 42 kDa

12% SDS PAGE



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