

Product datasheet

Anti-muscle Actin antibody [EPR4791] ab109499

**重组 RabMAb**

2 图像

概述

产品名称	Anti-muscle Actin抗体[EPR4791]
描述	兔单克隆抗体[EPR4791] to muscle Actin
经测试应用	适用于: WB, IHC-P, ICC 不适用于: Flow Cyt or IP
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide (the amino acid sequence is considered to be commercially sensitive) corresponding to Human muscle Actin aa 200-300.
阳性对照	Human skeletal muscle and Human heart lysates Human colonic tissue
常规说明	This product is a recombinant rabbit monoclonal antibody. Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	PBS 49%,Sodium azide 0.01%,Glycerol 50%,BSA 0.05%
纯度	Tissue culture supernatant
克隆	单克隆
克隆编号	EPR4791
同种型	IgG

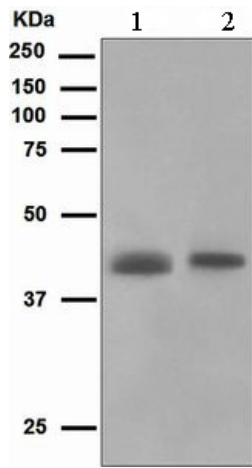
应用

Our [Abpromise guarantee](#) covers the use of **ab109499** 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
WB		1/1000 - 1/10000. Predicted molecular weight: 42 kDa.

IHC-P	1/100 - 1/250. Perform antigen retrieval
ICC	1/100 - 1/250.
应用说明	Is unsuitable for Flow Cyt or IP.
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	<p>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 containing (cores) within myofibers. Core lesions are unstructured and poorly circumscribed.</p> <p>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.</p> <p>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.</p>
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.

### Anti-muscle Actin antibody [EPR4791] 图像



Western blot - muscle Actin antibody [EPR47]  
(ab109499)

**All lanes :** Anti-muscle Actin antibody  
[EPR4791] (ab109499) at 1/1000 dilution

**Lane 1 :** Human skeletal muscle lysate

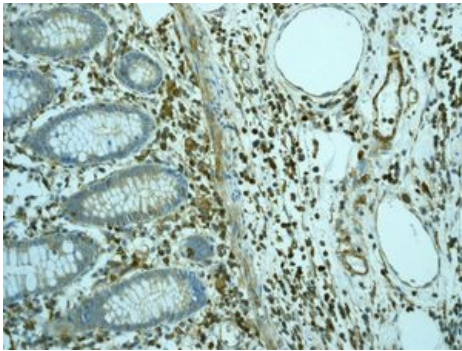
**Lane 2 :** Human heart lysates

Lysates/proteins at 10 µg per lane.

**Secondary**

Standard HRP labelled goat anti-rabbit at  
1/2000 dilution

**Predicted band size :** 42 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-  
embedded sections) - muscle Actin antibody  
[EPR47] (ab109499)

Immunohistochemical analysis of paraffin-  
embedded human colonic tissue using  
ab109499

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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