

### Anti-Actin antibody [AC-40] ab11003

★★★★★ [4 Abreviews](#) [49 References](#) [画像数 1](#)

#### 製品の概要

製品名	Anti-Actin antibody [AC-40]
製品の詳細	Mouse monoclonal [AC-40] to Actin
由来種	Mouse
アプリケーション	<b>適用あり:</b> ELISA, IHC-P, IHC-Fr, ICC/IF, WB, IHC-FoFr, Dot blot
種交差性	<b>交差種:</b> Mouse, Rat, Sheep, Rabbit, Goat, Chicken, Guinea pig, Hamster, Cow, Dog, Human, Pig, Xenopus laevis, Carp, Snail
免疫原	Synthetic peptide within Human Actin aa 365-375 (C terminal). The exact sequence is proprietary. Sequence: SGPSIVHRKCF <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
エピトープ	Monoclonal anti-Actin recognizes an epitope located on the C-terminal end of actin. This epitope is conserved in all actin isoforms.
特記事項	<p>Storage in frost-free freezers is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use.</p> <p>This product was changed from ascites to tissue culture supernatant on 21 May 2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <p>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.</p> <p>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&amp;As</p>

#### 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. Avoid freeze / thaw cycle.
バッファー	pH: 7.40

Preservative: 0.097% Sodium azide

Constituent: PBS

精製度	Tissue culture supernatant
特記事項(精製)	Purified from TCS.
ポリモノ	モノクローナル
クローン名	AC-40
アイソタイプ	IgG2a

## アプリケーション

The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab11003の使用に適用されます**  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ELISA	★★★★★ (1)	Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.
ICC/IF	★★★★★ (1)	Use at an assay dependent concentration. 1/200 determined by indirect immunofluorescent staining of cultured Human or chicken fibroblasts.
WB	★★★★★ (2)	Use at an assay dependent concentration. Predicted molecular weight: 42 kDa. 1/500 using cultured Human or chicken fibroblast extract. Predicted molecular weight: 42 kDa.
IHC-FoFr		Use at an assay dependent concentration.
Dot blot		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 containing (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.

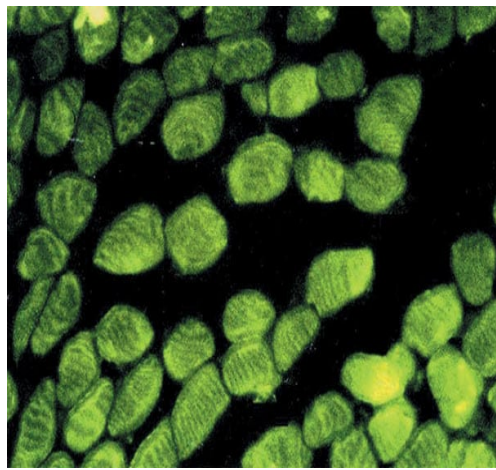
**配列類似性**

Belongs to the actin family.

**細胞内局在**

Cytoplasm > cytoskeleton.

**画像**



Immunohistochemical analysis of frozen Human tongue tissue, using ab11003.

This image was generated using the ascites version of the product.

Immunohistochemistry (Frozen sections) - Anti-Actin antibody [AC-40] (ab11003)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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