

### Anti-alpha Actinin/ACTN1 antibody [AT6/172] ab18061

★★★★★ [9 Abreviews](#) [38 References](#) [画像数 2](#)

#### 製品の概要

製品名	Anti-alpha Actinin/ACTN1 antibody [AT6/172]
製品の詳細	Mouse monoclonal [AT6/172] to alpha Actinin/ACTN1
由来種	Mouse
特異性	Recognizes and is specific for human alpha Actinin 1/ACTN1 isoform (non-muscle) at 100 kDa.  This antibody may recognize other isoforms of alpha-actinin (1-4). There is no specific epitope information available.  The clone number has been updated from (0.T.02) to (AT6/172) both clone numbers name the same antibody clone.

#### アプリケーション

**適用あり:** ICC  
**適用なし:** IP

#### 種交差性

**交差種:** Human

#### 免疫原

Full length protein corresponding to Human alpha Actinin/ACTN1.  
Database link: [P12814](#)

#### ポジティブ・コントロール

ICC: HeLa cells, ioSkeletal Myocytes - Human iPSC-Derived Skeletal Myocytes ([ab277612](#)).

#### 特記事項

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.

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

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Add glycerol to a final volume of 50% for extra stability and aliquot. Store at -20°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.60 Preservative: 0.09% Sodium azide Constituent: PBS
精製度	Protein A purified

ポリ/モノ	モノクローナル
クローン名	AT6/172
アイソタイプ	IgG1

## 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ab18061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
ICC		Use a concentration of 1 - 5 µg/ml.

**追加情報** Is unsuitable for IP.

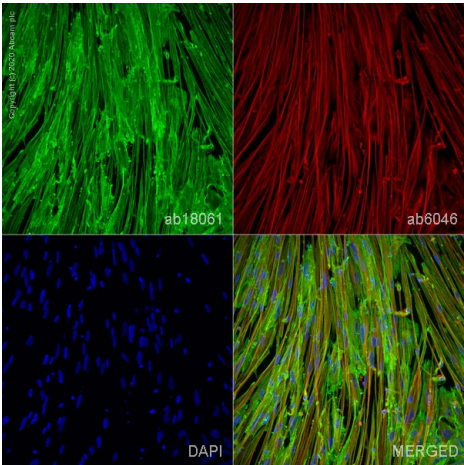
## ターゲット情報

**機能** F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. This is a bundling protein.

**配列類似性** Belongs to the alpha-actinin family.  
 Contains 1 actin-binding domain.  
 Contains 2 CH (calponin-homology) domains.  
 Contains 2 EF-hand domains.  
 Contains 4 spectrin repeats.

**細胞内局在** Cytoplasm > cytoskeleton. Cytoplasm > myofibril > sarcomere > Z line. Colocalizes with MYO22 and PPP3CA at the Z-line of heart and skeletal muscle.

## 画像

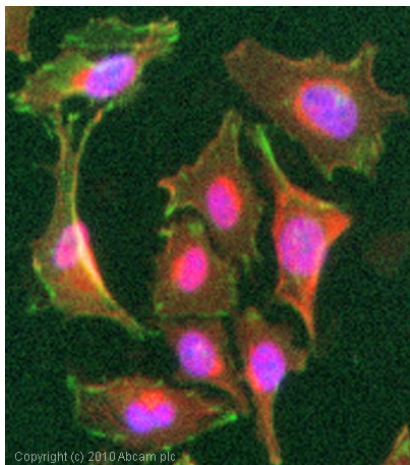


Immunocytochemistry - Anti-alpha Actinin/ACTN1 antibody [AT6/172] (ab18061)

Immunofluorescence staining of Actinin/ACTN1 using ab18061 in Human iPSC-Derived Skeletal Myocytes - Human iPSC-Derived Skeletal Myocytes (**ab277612**), which were differentiated for 10 days post induction.

The cells were fixed with 100% MeOH (5 min) and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at +4°C with ab18061 at 5 µg/mL and **ab6046**, rabbit polyclonal to beta Tubulin, at 1/1000 dilution. Cells were then incubated with **ab150117**, Goat Anti-Mouse IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (shown in green) and **ab150088**, Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) preadsorbed at 1/1000 dilution (shown in red). Nuclear DNA was labelled with DAPI (shown in blue).

Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown. Gamma is adjusted to 1.5 in all channels.



Immunocytochemistry - Anti-alpha Actinin/ACTN1 antibody [AT6/172] (ab18061)

ICC/IF image of ab18061 stained HeLa (Human epithelial cell line from cervix adenocarcinoma) cells. The cells were fixed in 4% formaldehyde for 10 minutes and then incubated in 1% BSA / 10% normal goat serum / 0.3 M glycine in 0.1% PBS-Tween for 1 hour to permeabilize the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab18061, 1 µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-mouse IgG (H+L) used at a 1/1000 dilution for 1 hour. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1 hour. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43 µM.

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

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