

A19631

Leader in Biomolecular Solutions for Life Science



## ACTN3 Rabbit mAb

Catalog No.: A19631 **Recombinant**

### Basic Information

#### Observed MW

103kDa

#### Calculated MW

103kDa

#### Category

SMab Recombinant Monoclonal Antibody

#### Applications

WB,IF/ICC,ELISA

#### Cross-Reactivity

Human,Mouse,Rat

#### CloneNo number

ARC2202

### Background

This gene encodes a member of the alpha-actin binding protein gene family. The encoded protein is primarily expressed in skeletal muscle and functions as a structural component of sarcomeric Z line. This protein is involved in crosslinking actin containing thin filaments. An allelic polymorphism in this gene results in both coding and non-coding variants; the reference genome represents the coding allele. The non-functional allele of this gene is associated with elite athlete status.

### Recommended Dilutions

WB	1:500 - 1:1000
IF/ICC	1:50 - 1:200

### Immunogen Information

#### Gene ID

89

#### Swiss Prot

Q08043

#### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 700-800 of human ACTN3 (Q08043).

#### Synonyms

ACTN3D; ACTN3

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

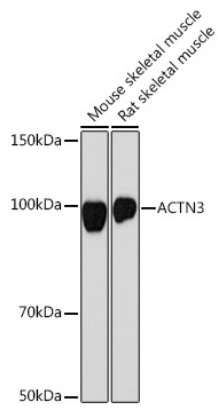
Affinity purification

#### Storage

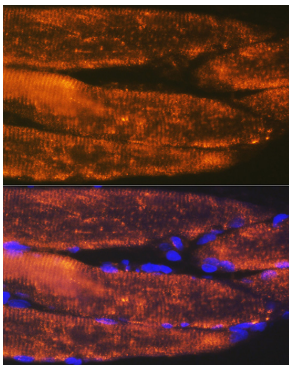
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

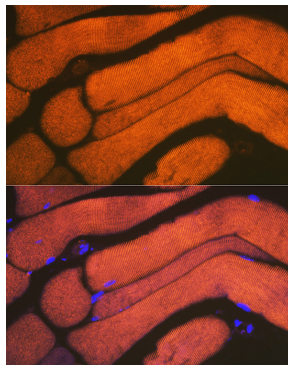
## Validation Data



Western blot analysis of extracts of various cell lines, using ACTN3 Rabbit mAb (A19631) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 90s.



Immunofluorescence analysis of rat bone marrow cells using ACTN3 Rabbit mAb (A19631) at dilution of 1:100 (40x lens).  
Blue: DAPI for nuclear staining.



Immunofluorescence analysis of mouse bone marrow cells using ACTN3 Rabbit mAb (A19631) at dilution of 1:100 (40x lens).  
Blue: DAPI for nuclear staining.