

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

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 1:1000 - 1:2000

IF/ICC 1:50 - 1:200

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## 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

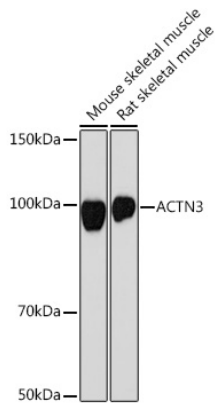
Affinity purification

### 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 various lysates using ACTN3 Rabbit mAb (A19631) at 1:1000 dilution.

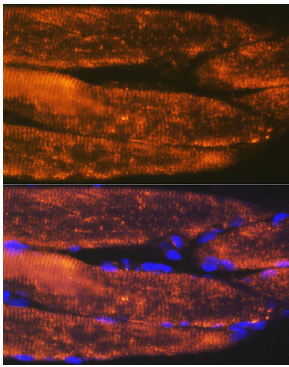
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

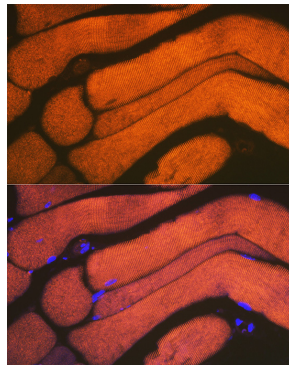
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.



Immunofluorescence analysis of paraffin-embedded Rat skeletal muscle tissue using ACTN3 Rabbit mAb (A19631) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of paraffin-embedded Mouse skeletal muscle tissue using ACTN3 Rabbit mAb (A19631) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.