

ACTN3 Rabbit mAb

Catalog No.: A19631 **Recombinant**

Basic Information

Observed MW

103kDa

Calculated MW

103kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC2202

Recommended Dilutions

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

Contact

 | www.abclonal.com

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.

Immunogen Information

Gene ID	Swiss Prot
89	Q08043

Immunogen

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

Synonyms

ACTN3D; ACTN3

Product Information

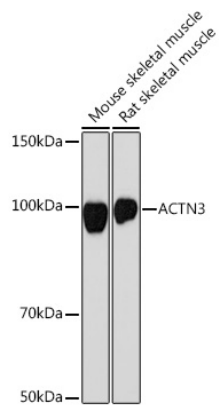
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

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.

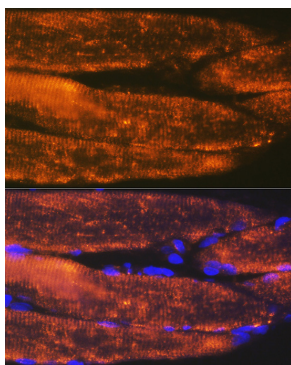
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

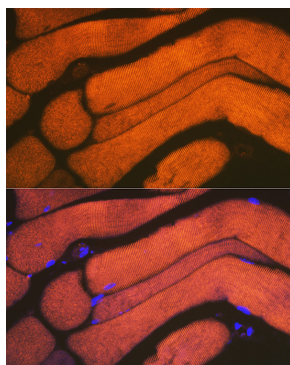
Blocking buffer: 3% nonfat dry milk in TBST.

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.