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## anti-ACTN3 antibody





#### Overview

Quantity:	100 μL
Target:	ACTN3
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This ACTN3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

#### **Product Details**

Purpose:	ACTN3 Rabbit mAb
Immunogen:	A synthesized peptide derived from human ACTN3
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

### Target Details

Target:	ACTN3
Alternative Name:	ACTN3 (ACTN3 Products)
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. [provided by RefSeq, Feb 2014], Apoptosis, Cell Biology & Developmental Biology, Cytoskeleton, Cytoskeleton\_Microfilaments, Immunology & Inflammation, Signal Transduction, T Cell Receptor Signaling Pathway, ACTN3

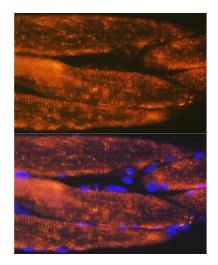
Molecular Weight:	103kDa
Gene ID:	89
UniProt:	Q08043
Pathways:	Cell-Cell Junction Organization

#### **Application Details**

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

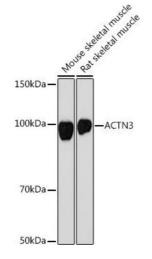
#### Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



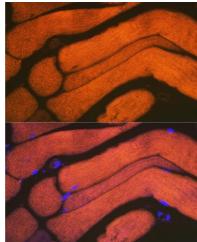
#### **Immunofluorescence**

**Image 1.** Immunofluorescence analysis of rat bone marrow cells using Rabbit mAb (ABIN7265398) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



#### **Western Blotting**

Image 2. Western blot analysis of extracts of various cell lines, using Rabbit mAb (ABIN7265398) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



#### **Immunofluorescence**

**Image 3.** Immunofluorescence analysis of mouse bone marrow cells using Rabbit mAb (ABIN7265398) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.