

## Anti-ACTN2 Rabbit Monoclonal Antibody

Catalog Number: M03673

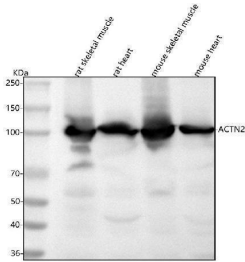
### Overview

Product Name	Anti-ACTN2 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-ACTN2 Rabbit Monoclonal Antibody catalog # M03673. Tested in WB, IHC, IP applications. This antibody reacts with Human, Mouse, Rat.
Application	IP, IHC, WB
Clonality	Monoclonal AOCB-1
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P35609

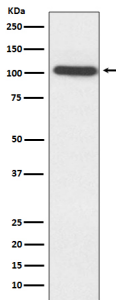
### Technical Details

Immunogen	A synthesized peptide derived from human ACTN2
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000 IHC 1:50-200 IP 1:20

## Anti-ACTN2 Rabbit Monoclonal Antibody (M03673) Images



Western blot analysis of ACTN2 using anti-ACTN2 antibody (M03673). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: rat skeletal muscle tissue lysates, Lane 2: rat heart tissue lysates, Lane 3: mouse skeletal muscle tissue lysates, Lane 4: mouse heart tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-ACTN2 antigen affinity purified monoclonal antibody (Catalog # M03673) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for ACTN2 at approximately 104 kDa. The expected band size for ACTN2 is at 104 kDa.



Western blot analysis of ACTN2 expression in HepG2 cell lysate.

## 3 Publications Citing This Product

1. PubMed ID: 23867886, Li H, Tang M, Liang H, Li Y, Wang J, Song Y, Zheng Y, Xi J, Zhang J, Hescheler J, Zhu M. Cell Physiol Biochem. 2013;32(1):53-63. Doi: 10.1159/000350124. Epub 2013 Jul 4. Coculture Of Embryonic Ventricular Myocytes And Mouse Embryonic Stem Cell Enh...
2. PubMed ID: 24551180, Similar to Spironolactone, Oxymatrine Is Protective in Aldosterone-Induced Cardiomyocyte Injury via Inhibition of Calpain and Apoptosis-Inducing Factor Signaling
3. PubMed ID: 25120772, Effects of BMSCs interactions with adventitial fibroblasts in transdifferentiation and ultrastructure processes

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