

Datasheet for ABIN6144299  
**anti-MYOZ2 antibody (AA 1-264)**



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2 Images

## Overview

Quantity:	100 µL
Target:	MYOZ2
Binding Specificity:	AA 1-264
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MYOZ2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-264 of human MYOZ2 (NP_057683.1).
Sequence:	MLSHNTMMKQ RKQQATAIMK EVHGNDVDGM DLGKKVSIPR DIMLEELSHL SNRGARLFKM RQRRSDKYTF ENFQYQSQRAQ INHSIAMQNG KVDGSNLEGG SQQAPLTPPN TPDPRSPNP DNIAPGYSGP LKEIPPEKFN TTAVPKYYQS PWEQAISNDP ELLEALYPKL FKPEGKAELP DYRSFN RVAT PFGGF EKASR MVKFKVPDFE LLLLTDP RFM SFVNPLSGRR SFNRTPKGWI SENIPIVITT EPTDDTTVPE SEDL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

## Target Details

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Target:	MYOZ2
Alternative Name:	MYOZ2 ( <a href="#">MYOZ2 Products</a> )
Background:	<p>The protein encoded by this gene belongs to a family of sarcomeric proteins that bind to calcineurin, a phosphatase involved in calcium-dependent signal transduction in diverse cell types. These family members tether calcineurin to alpha-actinin at the z-line of the sarcomere of cardiac and skeletal muscle cells, and thus they are important for calcineurin signaling. Mutations in this gene cause cardiomyopathy familial hypertrophic type 16, a hereditary heart disorder.,MYOZ2,C4orf5,CMH16,CS-1,Signal Transduction,Cell Biology &amp; Developmental Biology,Cytoskeleton,Microfilaments,Actins,Cardiovascular,Heart,Contractility,MYOZ2</p>
Molecular Weight:	29 kDa
Gene ID:	51778
UniProt:	<a href="#">Q9NPC6</a>

## Application Details

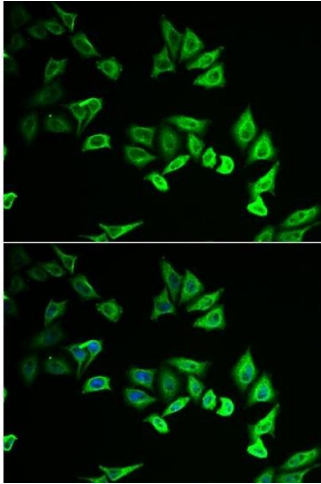
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Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:100
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

## Handling

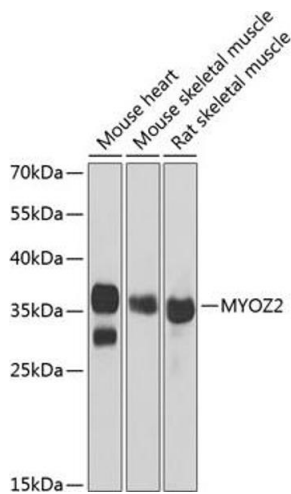
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Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage: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



### Immunofluorescence

**Image 1.** Immunofluorescence analysis of U2OS cells using MYOZ2 antibody (ABIN6129772, ABIN6144299, ABIN6144300 and ABIN6222126). Blue: DAPI for nuclear staining.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using MYOZ2 antibody (ABIN6129772, ABIN6144299, ABIN6144300 and ABIN6222126) 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: 10s.