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Datasheet for ABIN7160664  
**anti-MYOZ2 antibody (AA 90-180)**

3 Images

### Overview

Quantity:	100 µg
Target:	MYOZ2
Binding Specificity:	AA 90-180
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MYOZ2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (IHC)

### Product Details

Immunogen:	Recombinant Human Myozenin-2 protein (90-180AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

### Target Details

Target:	MYOZ2
Alternative Name:	MYOZ2 ( <a href="#">MYOZ2 Products</a> )
Background:	Background: Myozenins may serve as intracellular binding proteins involved in linking Z line proteins such as alpha-actinin, gamma-filamin, TCAP/telethonin, LDB3/ZASP and localizing

## Target Details

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calcineurin signaling to the sarcomere. Plays an important role in the modulation of calcineurin signaling. May play a role in myofibrillogenesis.

Aliases: C4orf5 antibody, Calcineurin binding protein calsarcin 1 antibody, Calsarcin 1 antibody, Calsarcin-1 antibody, Calsarcin1 antibody, CMH16 antibody, CS 1 antibody, CS1 antibody, FATZ related protein 2 antibody, FATZ-related protein 2 antibody, Muscle specific protein antibody, MYOZ 2 antibody, MYOZ2 antibody, MYOZ2\_HUMAN antibody, Myozenin-2 antibody, Myozenin2 antibody

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UniProt: [Q9NPC6](#)

## Application Details

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Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:200-1:500, IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

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Format: Liquid

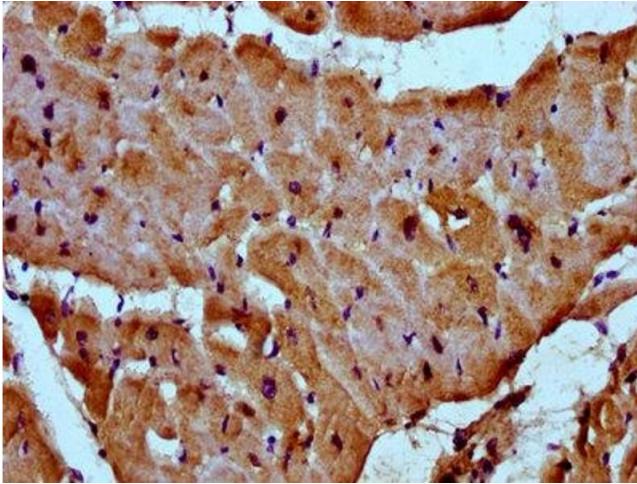
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



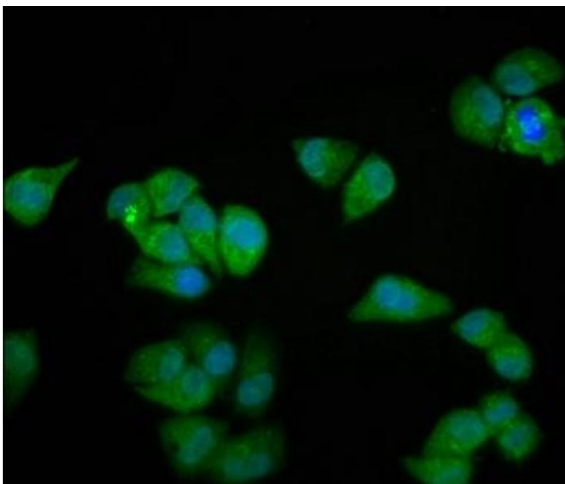
### Immunohistochemistry

**Image 1.** IHC image of ABIN7160664 diluted at 1:300 and staining in paraffin-embedded human heart tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



### Western Blotting

**Image 2.** Western Blot Positive WB detected in: MCF-7 whole cell lysate All lanes: MYOZ2 antibody at 4.31 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 30 kDa Observed band size: 30 kDa



### Immunofluorescence

**Image 3.** Immunofluorescence staining of HeLa cells with ABIN7160664 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).