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

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 ENFQYQSRAQ INHSIAMQNG KVDGSNLEGG SQQAPLTPPN TPDRSPPPNP DNIAPGYSGP LKEIPPEKFN TTAVPKYYQS PWEQAISNDP ELLEALYPKL FKPEGKAELP DYRSFN RVAT PFGGF EKASR MVKFKVPDFE LLLLDPRFM SFVNPLSGRR SFNRTPKGWI SENIPIVITT EPTDDTTVPE SEDL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

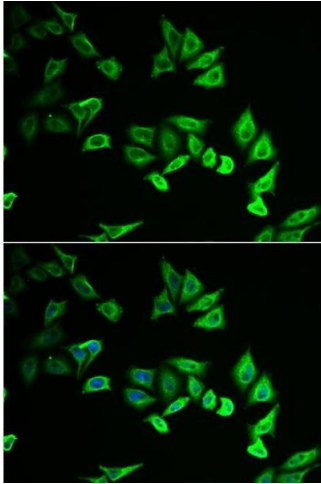
Target:	MYOZ2
Alternative Name:	MYOZ2 (MYOZ2 Products)
Background:	<p>The protein encoded by this gene belongs to a family of sarcomeric proteins that bind to calcineurin, a phosphatase involved in calcium-dependent signal transduction in diverse cell types. These family members tether calcineurin to 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 & Developmental Biology,Cytoskeleton,Microfilaments,Actins,Cardiovascular,Heart,Contractility,MYOZ2</p>
Molecular Weight:	29 kDa
Gene ID:	51778
UniProt:	Q9NPC6

Application Details

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

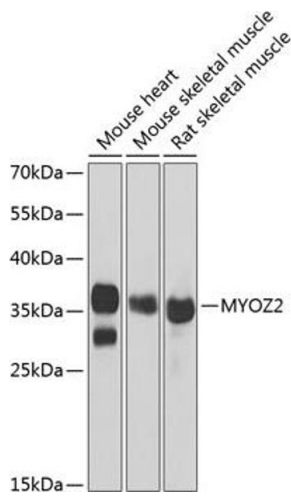
Handling

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.