Rabbit MYOZ1 Polyclonal Antibody | anti-MYOZ1 antibody

MYOZ1 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285179	**Rabbit**	**Human, mouse (Predicted Reactivity: Pig)**	**Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot**

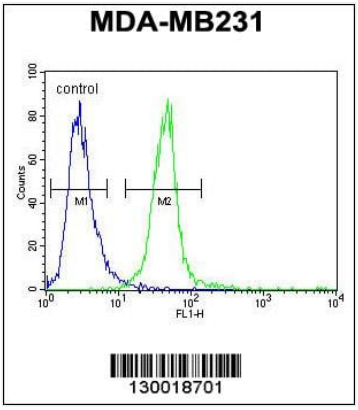
PRODUCT SYNONYMS

MYOZ1; Polyclonal Antibody; MYOZ1 Antibody (Center); Myozenin-1; Calsarcin-2; Filamin-; actinin- and telethonin-binding protein; Protein FATZ; MYOZ1 HGNC:13752); anti-MYOZ1 antibody

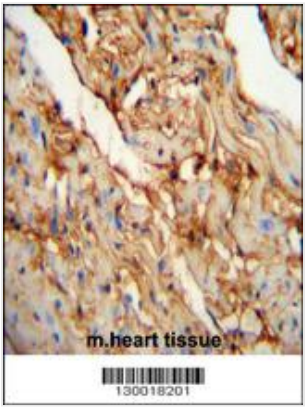
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Pig)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MYOZ1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 40-69 amino acids from the Central region of human MYOZ1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	40-69
Sequence Length	299
Applicable Applications for anti-MYOZ1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

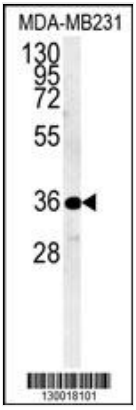
IMAGES



FCM/FACS (Flow Cytometry)
MYOZ1 Antibody (Center) flow cytometric analysis of MDA-MB231 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
MYOZ1 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded mouse heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the MYOZ1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of MYOZ1 Antibody (Center) in MDA-MB231 cell line lysates (35ug/lane).MYOZ1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-MYOZ1 antibody	Myozenins may serve as intracellular binding proteins involved in linking Z-disk proteins such as alpha-actinin, gamma-filamin, TCAP/telethonin, LDB3/ZASP and localizing calcineurin signaling to the sarcomere. This protein plays an important role in the modulation of calcineurin signaling, may play a role in myofibrillogenesis.
Product Categories/Family for anti-MYOZ1 antibody	Cardiovascular; Signal Transduction
References	Aurino, S., et al. Acta Myol 27, 90-97 (2008) Posch, M.G., et al. Mol. Genet. Metab. 91(2):207-208(2007) Arola, A.M., et al. Mol. Genet. Metab. 90(4):435-440(2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	10864053
NCBI GeneID	58529
NCBI Accession #	NP_067068.1
NCBI GenBank Nucleotide #	NM_021245.3
UniProt Accession #	Q9NP98; Q9H1I7
Molecular Weight	31745

NCBI Official Full Name	myozenin-1
NCBI Official Synonym Full Names	myozenin 1
NCBI Official Symbol	MYOZ1
NCBI Official Synonym Symbols	CS-2; FATZ; MYOZ
NCBI Protein Information	myozenin-1
UniProt Protein Name	Myozenin-1
UniProt Gene Name	**MYOZ1**
UniProt Entry Name	MYOZ1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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