

## Anti-Myozenin 1 Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Human,Rat (predicted:Mouse,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Molecular Weight:	Theoretical: 31 kDa.
Purification:	Protein A purified

## Applications

Verified Activity:	1. Paraformaldehyde-fixed, paraffin embedded (rat heart); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Myozenin 1) Polyclonal Antibody, Unconjugated (TMAB-09189) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
	2. Paraformaldehyde-fixed, paraffin embedded (human heart); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Myozenin 1) Polyclonal Antibody, Unconjugated (TMAB-09189) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
Application:	IHC-P,IHC-Fr,IF
Recommended	IHC-P: 1:400-800; IHC-Fr: 1:400-800; IF: 1:100-500

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human Myozenin 1
Antigen Species:	Human
Gene ID:	58529
Uniprot ID:	Q9NP98

## Research Background

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. MYOZ (Myozenin 1) plays an important role in the modulation of calcineurin signaling. MYOZ1 may play a role in myofibrillogenesis. MYOZ1 interacts with ACTN2, ACTN3, FLNA, FLNB, FLNC, LDB3, PPP3CA and TCAP and interacts via its C-terminal region with MYOT. MYOZ1 is localized to the nucleus and pseudopodia of undifferentiated cells and detected throughout the myotubes of differentiated cells. MYOZ1 colocalizes with ACTN2, FLNC and MYOT at the Z-lines of skeletal muscle. MYOZ1 is expressed primarily in skeletal muscle and specifically enriched in the

gastrocnemius, which is composed predominantly of fast-twitch muscle fibers.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481