

For Research Use Only

# MYOZ1 Polyclonal antibody

Catalog Number: 13160-1-AP **3 Publications**



## Basic Information

**Catalog Number:**  
13160-1-AP

**Size:**  
150ul , Concentration: 450 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;

**Source:**  
Rabbit

**Isotype:**  
IgG

**Immunogen Catalog Number:**  
AG3806

**GenBank Accession Number:**  
BC025753

**GeneID (NCBI):**  
58529

**Full Name:**  
myozenin 1

**Calculated MW:**  
299 aa, 32 kDa

**Observed MW:**  
32 kDa

**Purification Method:**  
Antigen affinity purification

**Recommended Dilutions:**  
WB 1:500-1:1000  
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB

## Applications

**Tested Applications:**  
IP, WB, ELISA

**Cited Applications:**  
WB

**Species Specificity:**  
human, mouse, rat

**Cited Species:**  
fish, rat

**Positive Controls:**

**WB:** mouse skeletal muscle tissue, human heart tissue

**IP:** mouse skeletal muscle tissue,

## Background Information

Myozenin-1 is a protein that in humans is encoded by the MYOZ1 gene. MYOZ1 has been shown to interact with Telethonin, and Actinin, alpha. The MW of this protein is 32 kDa, and Catalog#13160-1-AP specially recognises the 32 kDa protein.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yulia N Lomonosova	26589960	J Muscle Res Cell Motil	WB
Kristina Sharlo	31046517	J Appl Physiol (1985)	WB
Kristina A Sharlo	32754051	Front Physiol	WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1% BSA**

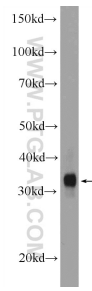
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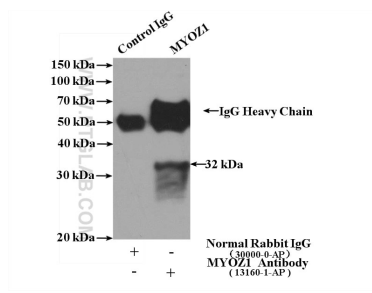
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## Selected Validation Data



mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 13160-1-AP (MYOZ1 Antibody) at dilution of 1:600 incubated at 4 degree celsius over night.



IP Result of anti-MYOZ1 (IP:13160-1-AP, 4ug; Detection:13160-1-AP 1:500) with mouse skeletal muscle tissue lysate 4000ug.