

# **MYPN Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP54252

### **Specification**

### **MYPN Polyclonal Antibody - Product Information**

Application WB, IHC-P, IHC-F, IF, ICC, E

Primary Accession Q86TC9

Reactivity Rat, Pig, Dog, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 145 KDa
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived

from human MYPN

Epitope Specificity 901-1000/1320

Isotype IgG

**Purity** affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Cytoplasm. Nucleus. Cytoplasm, myofibril,

sarcomere. Note=Bound to sarcomere both at the Z-line periphery and in the central

I-band region.

SIMILARITY Belongs to the myotilin/palladin

family. Contains 5 Ig-like

(immunoglobulin-like) domains.

SUBUNIT Interacts with TTN/titin, NEB, NEBL, ACTN2

and CARP.

Important Note This product as supplied is intended for

research use only, not for use in human, therapeutic or diagnostic applications.

### **Background Descriptions**

F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. This is a bundling protein.

# **MYPN Polyclonal Antibody - Additional Information**

**Gene ID 84665** 

Other Names

Myopalladin, 145 kDa sarcomeric protein, MYPN, MYOP

Target/Specificity

Expressed in adult skeletal muscle and fetal heart.

**Dilution** 



<span class ="dilution\_WB">WB~~1:1000</span><br \><span class
="dilution\_IHC-P">IHC-P~~N/A</span><br \><span class
="dilution\_IHC-F">IHC-F~~N/A</span><br \><span class
="dilution\_IF">IF~~1:50~200</span><br \><span class ="dilution\_ICC">ICC~~N/A</span><br \><span class ="dilution\_ICC">ICC~~N/A</span><br \><span class ="dilution\_ICC">ICC~~N/A</span>

#### **Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

#### Storage

Store at -20  $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4  $^{\circ}$ C.

## **MYPN Polyclonal Antibody - Protein Information**

Name MYPN

**Synonyms MYOP** 

#### **Function**

Component of the sarcomere that tethers together nebulin (skeletal muscle) and nebulette (cardiac muscle) to alpha-actinin, at the Z lines.

#### **Cellular Location**

Cytoplasm. Nucleus. Cytoplasm, myofibril, sarcomere. Cytoplasm, myofibril, sarcomere, Z line. Note=Bound to sarcomere both at the Z-line periphery and in the central I-band region.

#### **Tissue Location**

Expressed in adult skeletal muscle and fetal heart.

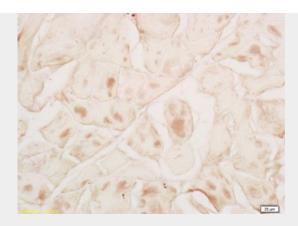
# **MYPN Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## **MYPN Polyclonal Antibody - Images**

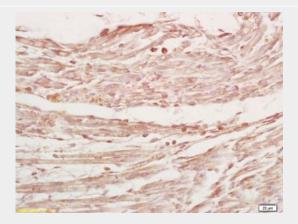




Tissue/cell: Rat skeletal muscle; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min;

Incubation: Anti-MYPN Polyclonal Antibody, Unconjugated(bs-10366R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: Mouse embryos; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at  $37^{\circ}$ C for 20 min;

Incubation: Anti-MYPN Polyclonal Antibody, Unconjugated(bs-10366R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining