

MYPN Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP54252

Product Information

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

Primary Accession <u>Q86TC9</u>

Reactivity Rat, Pig, Dog, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 145257
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.

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 WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-50

0,ELISA=1:5000-10000

Format 0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce

Storage Store at -20 °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 °C.

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.

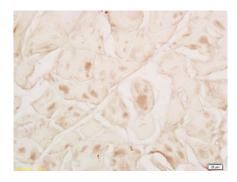
Cellular Location Cytoplasm. Nucleus. Cytoplasm, myofibril, sarcomere. Cytoplasm, myofibril,

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.

Images



Tissue/cell: Rat skeletal muscle; 4%

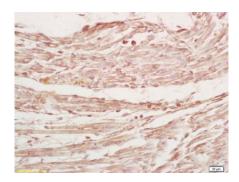
Paraformaldehyde-fixed and paraffin-embedded;

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(AP54252) 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°C for 20 min;

Incubation: Anti-MYPN Polyclonal Antibody,

Unconjugated(AP54252) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and

DAB(C-0010) staining

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.