

Rabbit Anti-MYPN antibody

SL10366R

Product Name MYPN

Chinese Name 肌钙蛋白抗体

Alias 145 kDa sarcomeric protein; MYOP; Myopalladin; MYPN; MYPN_HUMAN; sarcomeric protein myopalladin.

Immunogen Species Rabbit

Clonality Polyclonal

React Species Mouse, Rat, (predicted: Human, Chicken, Dog, Pig, Cow, Horse, Rabbit,)
IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)

Applications not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 145kDa

Cellular localization The nucleus cytoplasmic

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human MYPN: 901-1000/1320

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed [PubMed](#)

Product Detail MYPN is a component of the sarcomere that tethers nebulin (MIM 161650) in skeletal muscle and nebulin (MIM 605491) in cardiac muscle to alpha-actinin (see ACTN2; MIM 102573) at the Z lines (Bang et al., 2001 [PubMed 11309420]).[supplied by

OMIM, Mar 2008].

Function:

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

Subunit:

Interacts with TTN/titin, NEB, NEBL, ACTN2 and CARP.

Subcellular Location:

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

Tissue Specificity:

Expressed in adult skeletal muscle and fetal heart.

Similarity:

Belongs to the myotilin/palladin family.
Contains 5 Ig-like (immunoglobulin-like) domains.

SWISS:

Q86TC9

Gene ID:

84665

Database links:

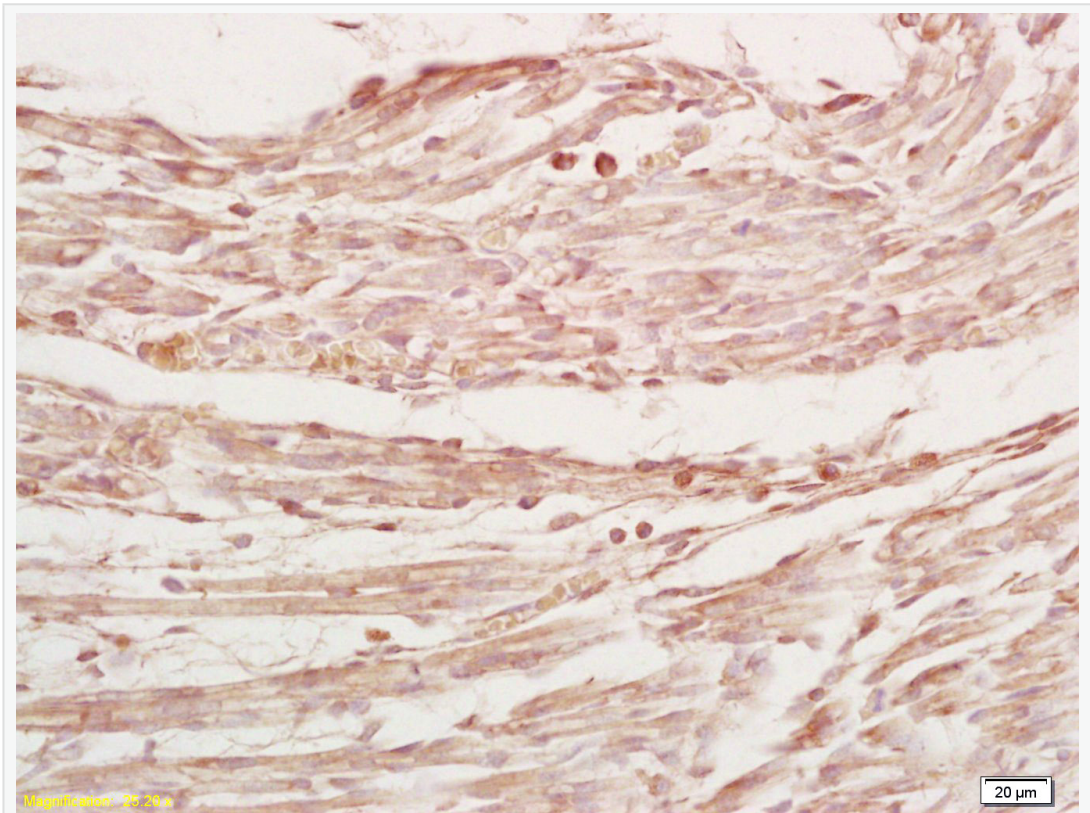
[Entrez Gene: 84665](#) Human

[Omim: 608517](#) Human

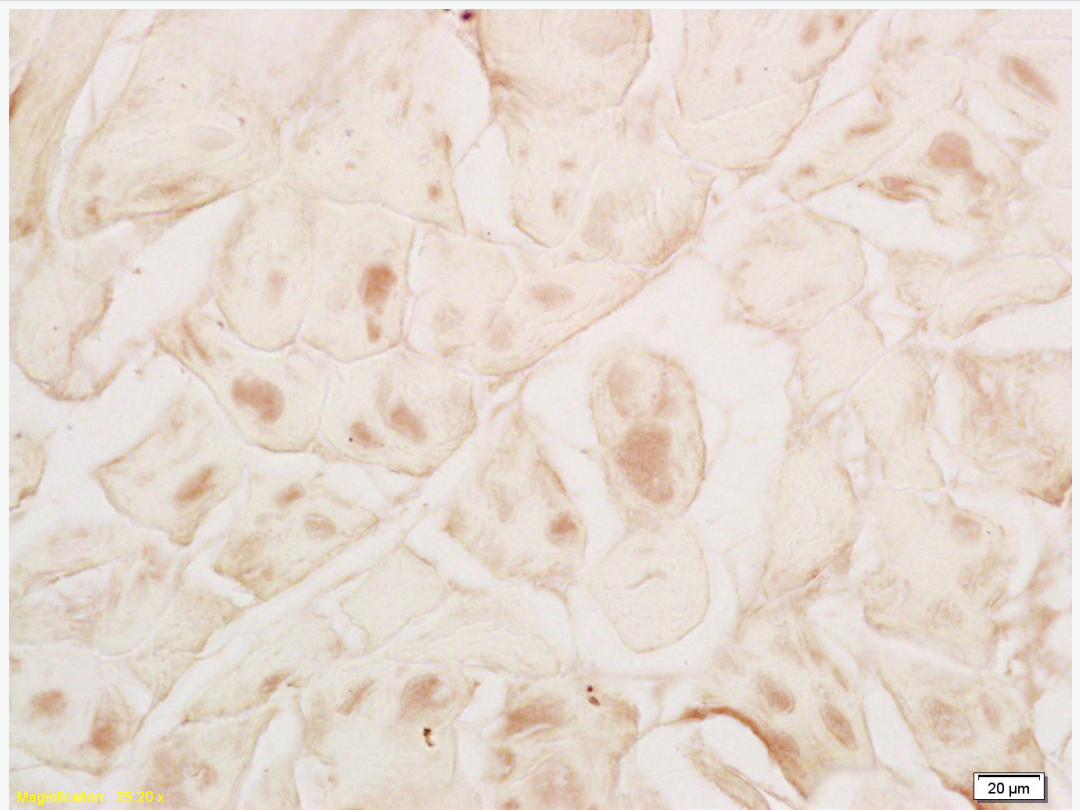
[SwissProt: Q86TC9](#) Human

[Unigene: 55205](#) Human

**Product
Picture**



Tissue/cell: Mouse embryos; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, 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(SL10366R) 1:200,
overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023)
and DAB(C-0010) staining



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

Antigen retrieval: citrate buffer (1M, 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(SL10366R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining