



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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	145kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MYPN:901-1000/1320
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
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 nebulette (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

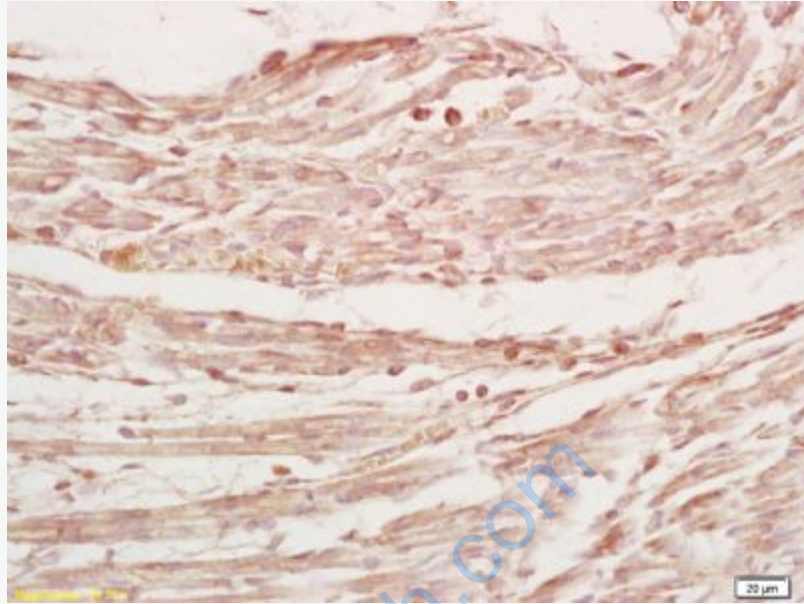
[Omin: 608517](#) Human

[SwissProt: Q86TC9](#) Human

[Unigene: 55205](#) Human

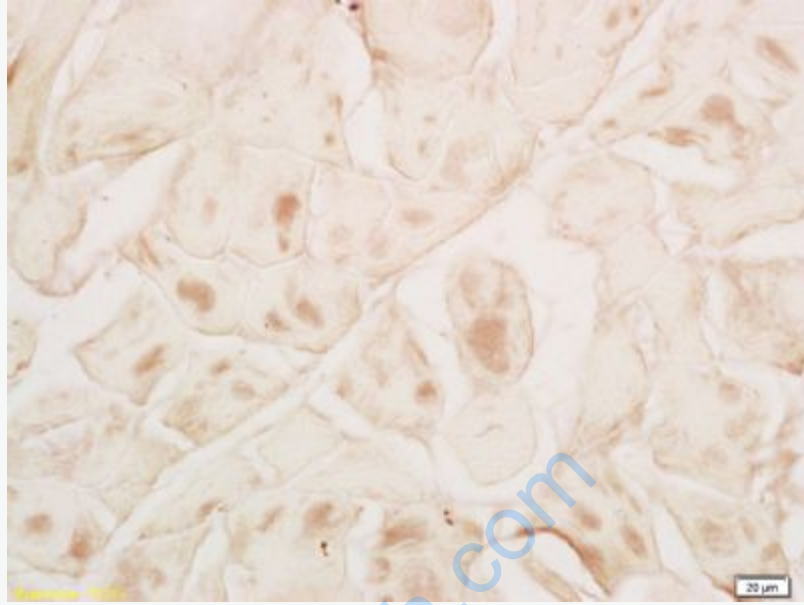
Important Note:

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



Picture:

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