SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-MYH1 Polyclonal Antibody

Catalog Number: SLA0182

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
GeneID:	4619
SWISS:	P12882
Target:	MYH1
Immunogen:	Recombinant human MYH1 protein
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human,Mouse,Rat
Predicted MW.:	223 kDa
Subcellular Location:	Cytoplasm
Background:	Myosin is a major contractile protein which converts chemical energy into mechanical energy through the hydrolysis of ATP. Myosin is a hexameric protein composed of a pair of myosin heavy chains (MYH) and two pairs of nonidentical light chains. Myosin heavy chains are encoded by a multigene family. In mammals at least 10 different myosin heavy chain (MYH) isoforms have been described from striated, smooth, and nonmuscle cells. These isoforms show expression that is spatially and temporally regulated during development. [provided by RefSeq, Jul 2008].

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[VALIDATION IMAGES]

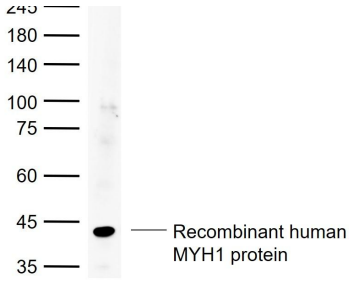


Figure 1. Sample: Lane 1: Recombinant human MYH1 protein, N-His(SL42269P) Primary: Anti-MYH1 (SLA0182) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: kDa Observed band size: 44 kDa

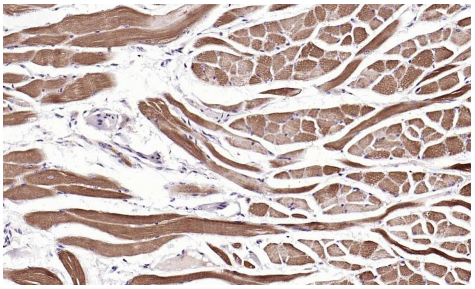


Figure 2. Paraformaldehyde-fixed, paraffin embedded (mouse tongue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (MYH1) Polyclonal Antibody, Unconjugated (SLA0182) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

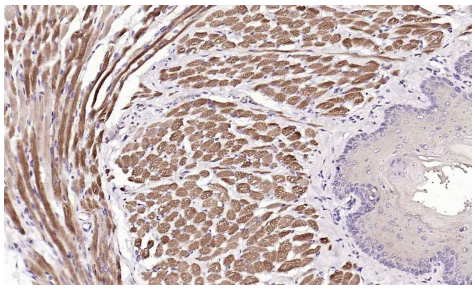


Figure 3. Paraformaldehyde-fixed, paraffin embedded (rat tongue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (MYH1) Polyclonal Antibody, Unconjugated (SLA0182) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

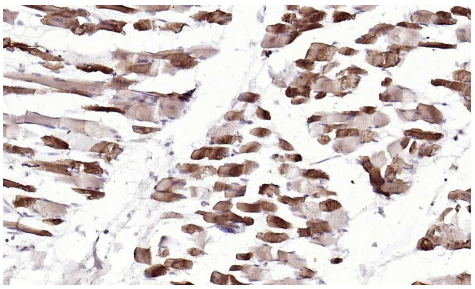


Figure 4. Paraformaldehyde-fixed, paraffin embedded (human skeletal muscle); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (MYH1) Polyclonal Antibody, Unconjugated (SLA0182) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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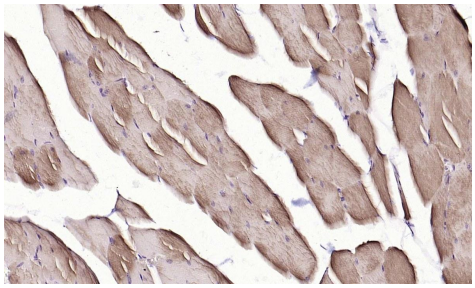


Figure 5. Paraformaldehyde-fixed, paraffin embedded (Mouse skeletal muscle); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (MYH1) Polyclonal Antibody, Unconjugated (SLA0182) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

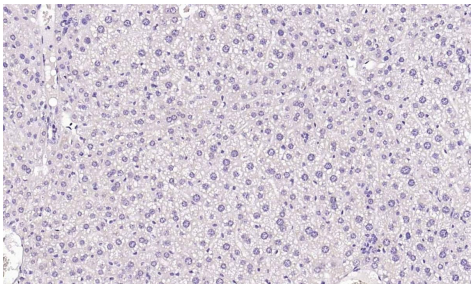


Figure 6. Negative sample: Paraformaldehyde-fixed, paraffin embedded (Mouse liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Paraformaldehyde-fixed, paraffin embedded (Mouse liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (MYH1) Polyclonal Antibody, Unconjugated (SLA0182) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

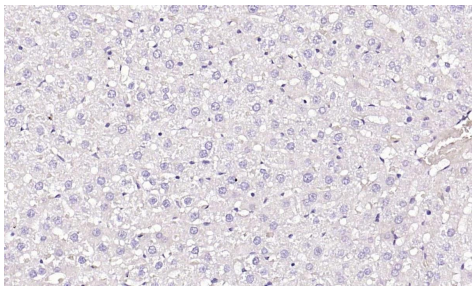


Figure 7. Negative sample: Paraformaldehyde-fixed, paraffin embedded (rat liver);Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Paraformaldehyde-fixed, paraffin embedded (rat liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (MYH1) Polyclonal Antibody, Unconjugated (SLA0182) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

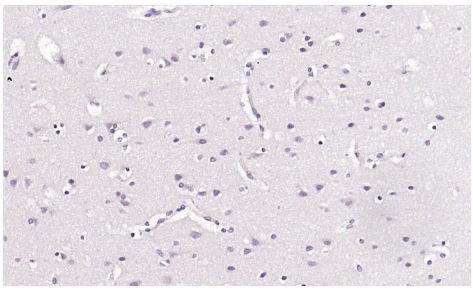


Figure 8. Negative sample: Paraformaldehyde-fixed, paraffin embedded (human brain);Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Paraformaldehyde-fixed, paraffin embedded (human brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (MYH1) Polyclonal Antibody, Unconjugated (SLA0182) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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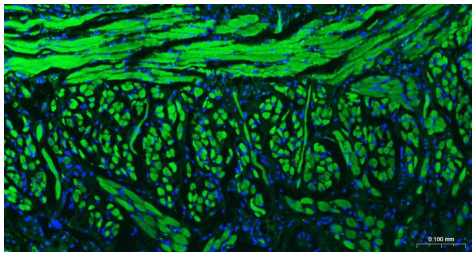


Figure 9. Paraformaldehyde-fixed, paraffin embedded Rat Tongue; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with MYH1 Polyclonal Antibody, Unconjugated (SLA0182) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (green, SL0295G-BF488), DAPI (blue, C02-04002) was used to stain the cell nuclei.

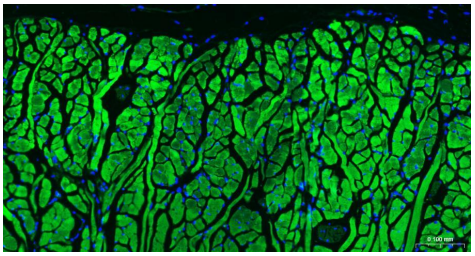


Figure 10. Paraformaldehyde-fixed, paraffin embedded Mouse Tongue; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with MYH1 Polyclonal Antibody, Unconjugated (SLA0182) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (green, SL0295G-BF488), DAPI (blue, C02-04002) was used to stain the cell nuclei.

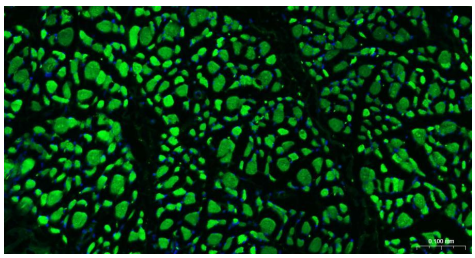


Figure 11. Paraformaldehyde-fixed, paraffin embedded Human Skeletal muscle; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with MYH1 Polyclonal Antibody, Unconjugated (SLA0182) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (green, SL0295G-BF488), DAPI (blue, C02-04002) was used to stain the cell nuclei.
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