

Myoglobin Mouse mAb

Catalog NO.: A28546

Basic Information

Observed MW

17 kDa

Calculated MW

17 kDa

Category

Monoclonal Antibodies

Applications

WB, IF-P, IHC-P, ELISA

Cross-Reactivity

Human, Mouse, Rat

Conjugation

Unconjugated

Clone number

AMC50106

Background

This gene encodes a member of the globin superfamily and is predominantly expressed in skeletal and cardiac muscles. The encoded protein forms a monomeric globular haemoprotein that is primarily responsible for the storage and facilitated transfer of oxygen from the cell membrane to the mitochondria. This protein also plays a role in regulating physiological levels of nitric oxide. Multiple transcript variants encoding distinct isoforms exist for this gene.

Recommended Dilutions

WB 1:1000 - 1:5000

IF-P 1:100 - 1:400

IHC-P 1:3000 - 1:12000

ELISA

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000)

Immunogen Information

Gene ID	Swiss Prot
4151	P02144

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

MYOSB; PVALB; Myoglobin

Contact

Product Information

☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source

Mouse

Isotype

IgG1. Rabbit-derived mouse
chimeric antibody

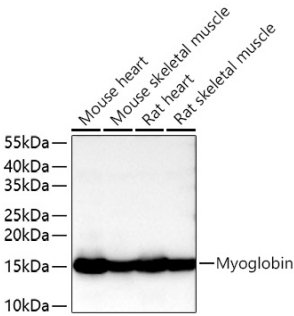
Purification

Affinity purification

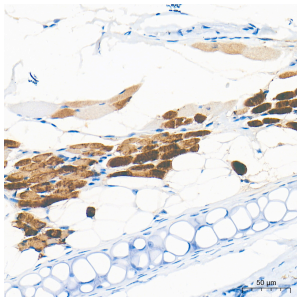
Storage

Store at -20°C. Avoid freeze / thaw cycles.
PBS with 0.09% sodium azide,50% glycerol,pH7.3

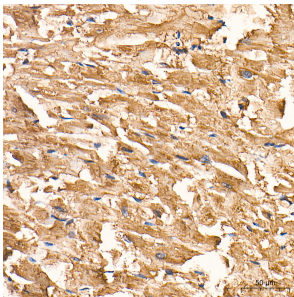
Validation Data



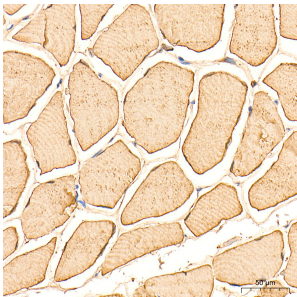
Western blot analysis of various lysates using Myoglobin Mouse mAb (A28546) at 1:2000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10 s.



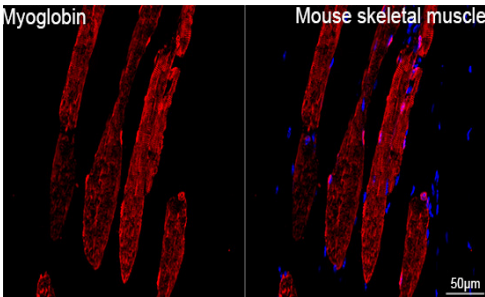
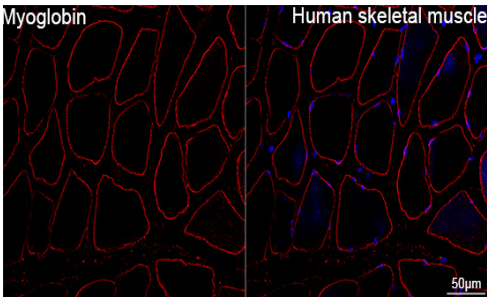
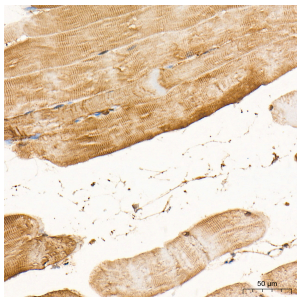
Immunohistochemistry analysis of paraffin-embedded Mouse skeletal muscle tissue using Myoglobin Mouse mAb (A28546) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human heart tissue using Myoglobin Mouse mAb (A28546) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human skeletal muscle tissue using Myoglobin Mouse mAb (A28546) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat skeletal muscle tissue using Myoglobin Mouse mAb (A28546) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Antibody | Protein | ELISA Kit | Enzyme | NGS | Service

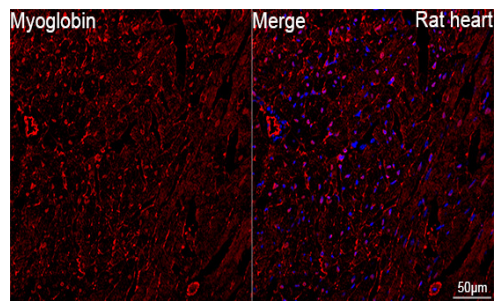
Confocal imaging of paraffin-embedded Human skeletal muscle tissue using Myoglobin Mouse mAb (A28540, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Mouse IgG (H+L) (AS008, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

Confocal imaging of paraffin-embedded Mouse skeletal muscle tissue using Myoglobin Mouse mAb (A28540, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Mouse IgG (H+L) (AS008, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

For research use only. Not for therapeutic or diagnostic purposes.

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Validation Data



Confocal imaging of paraffin-embedded Rat heart tissue using Myoglobin Mouse mAb (A28540, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Mouse IgG (H+L) (AS008, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

