

A24206

Leader in Biomolecular Solutions for Life Science



Myoglobin Rabbit mAb

Catalog No.: A24206

Recombinant

Basic Information

Observed MW

17kDa

Calculated MW

17kDa

Category

SMab Recombinant Monoclonal
Antibody

Applications

WB,IHC-P,IF/ICC,ELISA

Cross-Reactivity

Human,Mouse,Rat

CloneNo number

ARC65610

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 1:5000 - 1:30000

IHC-P 1:2000 - 1:10000

IF/ICC 1:200 - 1:2000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

4151

Swiss Prot

P02144

Immunogen

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

Synonyms

MYOSB; PVALB; Myoglobin

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

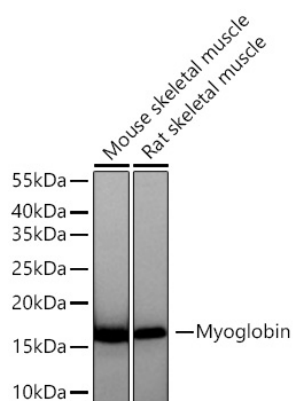
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Contact

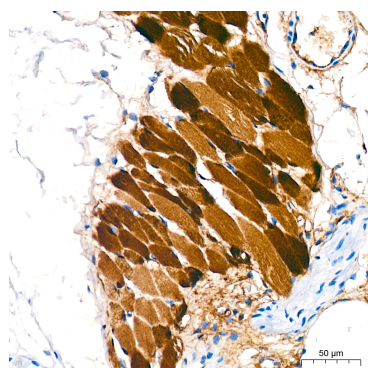


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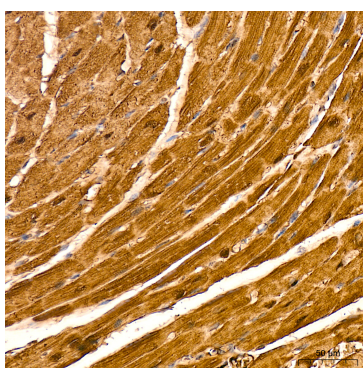
Validation Data



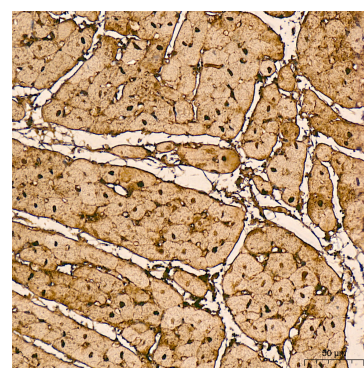
Western blot analysis of various lysates using Myoglobin Rabbit mAb (A24206) at 1:5000 dilution incubated overnight at 4°C.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25 µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 1s.



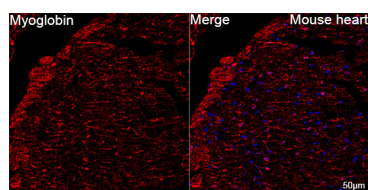
Immunohistochemistry analysis of paraffin-embedded Human skeletal muscle tissue using Myoglobin Rabbit mAb (A24206) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



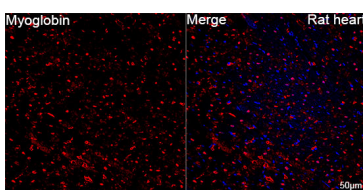
Immunohistochemistry analysis of paraffin-embedded Mouse heart tissue using Myoglobin Rabbit mAb (A24206) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



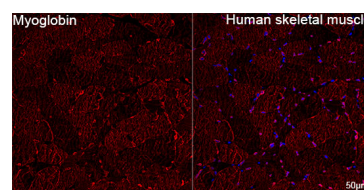
Immunohistochemistry analysis of paraffin-embedded Rat heart tissue using Myoglobin Rabbit mAb (A24206) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Confocal imaging of paraffin-embedded Mouse heart tissue using Myoglobin Rabbit mAb (A24206, dilution 1:1600) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, 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



Confocal imaging of paraffin-embedded Rat heart tissue using Myoglobin Rabbit mAb (A24206, dilution 1:1600) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, 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



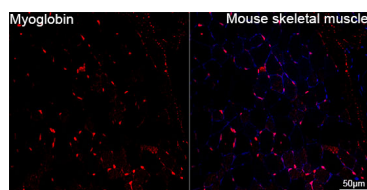
Confocal imaging of paraffin-embedded Human skeletal muscle tissue using Myoglobin Rabbit mAb (A24206, dilution 1:1600) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0)

Validation Data

staining. Objective: 40x.

staining. Objective: 40x.

prior to IF staining. Objective: 40x.



Confocal imaging of paraffin-embedded Mouse skeletal muscle tissue using Myoglobin Rabbit mAb (A24206, dilution 1:1600) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, 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.