

# Myoglobin Rabbit mAb

Catalog No.: A24206 **Recombinant**

## Basic Information

### Observed MW

17kDa

### Calculated MW

17kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P, IF/ICC

### 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

<b>WB</b>	1:500 - 1:1000
<b>IHC-P</b>	1:2000 - 1:10000
<b>IF/ICC</b>	1:50 - 1:200

## Immunogen Information

### Gene ID

4151

### Swiss Prot

P02144

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 2-154 of human Myoglobin(NP\_005359.1).

### Synonyms

MYOSB; PVALB; Myoglobin

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

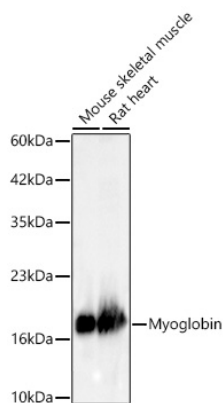
Affinity purification

### Storage

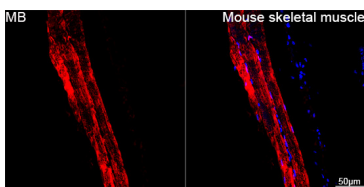
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

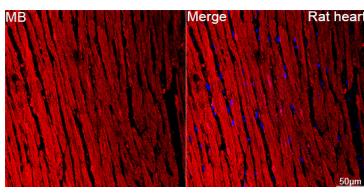
## Validation Data



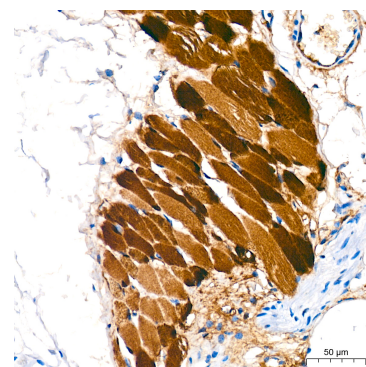
Western blot analysis of various lysates using Myoglobin Rabbit mAb (A24206) at 1:1000 dilution.  
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates / proteins: 25 µg per lane.  
 Blocking buffer: 3 % nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 10s.



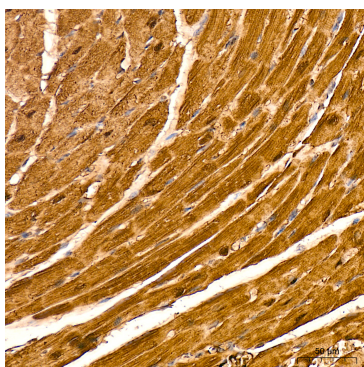
Confocal imaging of paraffin-embedded Mouse skeletal muscle using Myoglobin Rabbit mAb (A24206, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500)(Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



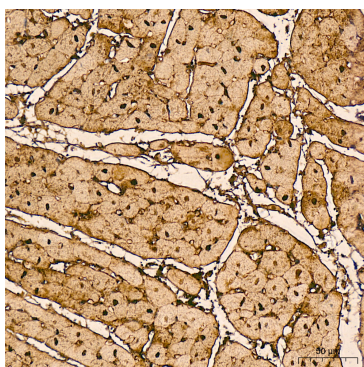
Confocal imaging of paraffin-embedded Rat heart using Myoglobin Rabbit mAb (A24206, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500)(Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



Immunohistochemistry analysis of Myoglobin in 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 Myoglobin in 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 Myoglobin in 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.