Myoglobin Rabbit mAb

Catalog No: #48971

Package Size: #48971-1 50ul #48971-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

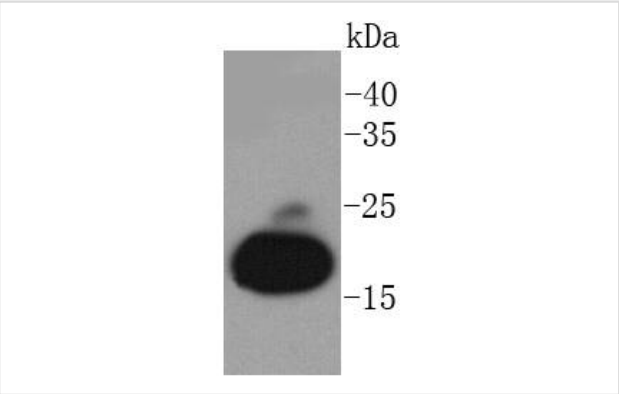
Description

Product Name	Myoglobin Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SC06-38
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	MB antibody MGC13548 antibody MYG_HUMAN antibody Myoglobin antibody PVALB antibody
Accession No.	Swiss-Prot#:P02144
Uniprot	P02144
GeneID	4151;
Calculated MW	17 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

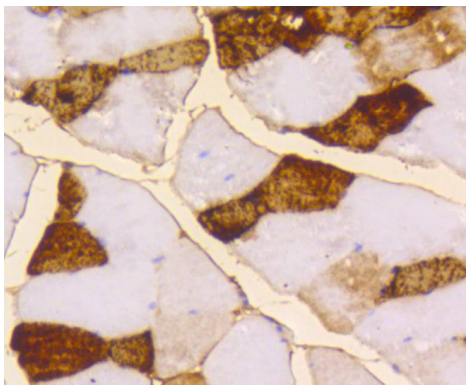
Application Details

WB: 1:1,000-5,000IHC: 1:50-1:200ICC: 1:50-1:200

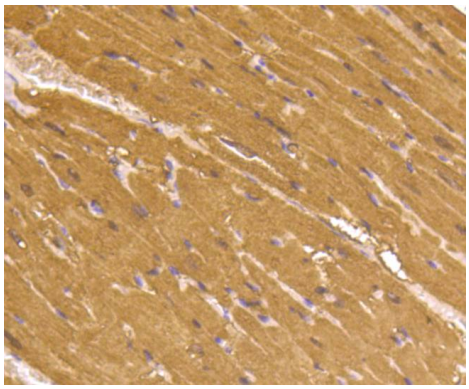
Images



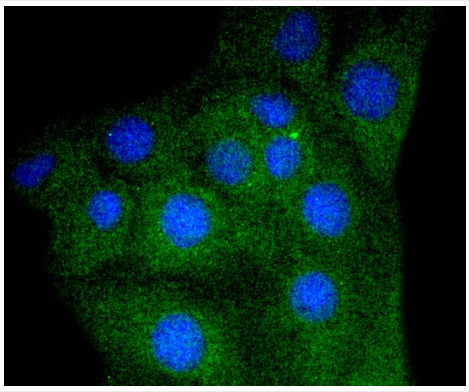
Western blot analysis of Myoglobin on human skeletal muscle lysates using anti-Myoglobin antibody at 1/1,000 dilution.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue using anti-Myoglobin antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue using anti-Myoglobin antibody. Counter stained with hematoxylin.



ICC staining Myoglobin in C2C12 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

Myoglobin is a cytosolic oxygen binding protein responsible for the storage and diffusion of oxygen within myocytes. Expression of myoglobin is highest in skeletal and cardiac muscle. Myoglobin is necessary for the maintenance of mitochondrial respiration during heavy and sustained contractile activity, and it is thought to transport oxygen from erythroyctes to mitochondria. The genomic structure of myoglobin appears to be conserved across a broad range of species, and contains a putative polyadenylation signal and a polypyrimidine-rich region. Human myoglobin is specified by a single gene, and it has been identified in human smooth muscle.

References

Note: This product is for in vitro research use only