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Myoglobin

Rabbit Monoclonal antibody(Mab)
Catalog # AD80031

Product Information

Application	IHC-P
Primary Accession	P02144
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Clone Names	212B4C3
Calculated MW	17184

Additional Information

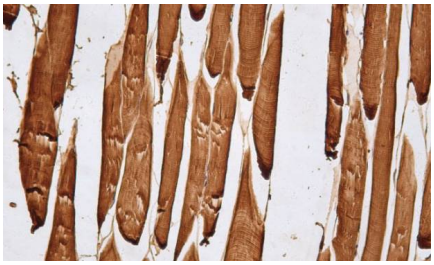
Gene ID	4151
Gene Name	MB
Other Names	Myoglobin, MB
Dilution	IHC-P~~Ready-to-use
Storage	Maintain refrigerated at 2-8°C.
Precautions	Myoglobin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MB (HGNC:6915)
Function	Monomeric heme protein which primary function is to store oxygen and facilitate its diffusion within muscle tissues. Reversibly binds oxygen through a pentacoordinated heme iron and enables its timely and efficient release as needed during periods of heightened demand (PubMed:30918256, PubMed:34679218). Depending on the oxidative conditions of tissues and cells, and in addition to its ability to bind oxygen, it also has a nitrite reductase activity whereby it regulates the production of bioactive nitric oxide (PubMed:32891753). Under stress conditions, like hypoxia and anoxia, it also protects cells against reactive oxygen species thanks to its pseudoperoxidase activity (PubMed:34679218).
Cellular Location	Cytoplasm, sarcoplasm

Images

Immunohistochemical analysis of formalin-fixed and paraffin-embedded human skeletal muscle tissue was



performed with Myoglobin primary antibody, followed by peroxidase-conjugated secondary antibody and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.