

Myoglobin Rabbit mAb
Catalog # AP77491**Specification**

Myoglobin Rabbit mAb - Product Information

Application	WB, IHC-P, IP, ICC
Primary Accession	P02144
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	17184

Myoglobin Rabbit mAb - Additional Information**Gene ID** 4151**Other Names**

MB

Format

Liquid

Myoglobin Rabbit mAb - 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

Myoglobin Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Myoglobin Rabbit mAb - Images