

**Myoglobin Rabbit mAb**  
Catalog # AP77491**Specification**

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**Myoglobin Rabbit mAb - Product Information**

Application	<b>WB, IHC-P, IP, ICC</b>
Primary Accession	<a href="#">P02144</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Monoclonal Antibody</b>
Calculated MW	<b>17184</b>

**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:<a href="http://www.uniprot.org/citations/30918256" target="\_blank">30918256</a>, PubMed:<a href="http://www.uniprot.org/citations/34679218" target="\_blank">34679218</a>). 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:<a href="http://www.uniprot.org/citations/32891753" target="\_blank">32891753</a>). Under stress conditions, like hypoxia and anoxia, it also protects cells against reactive oxygen species thanks to its pseudoperoxidase activity (PubMed:<a href="http://www.uniprot.org/citations/34679218" target="\_blank">34679218</a>).

**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**