

Polyclonal Antibody to Myoglobin (MYO)

Myoglobin

Catalog # AP74506

Product Information

Application	WB
Primary Accession	P02197
Host	Rabbit
Clonality	Polyclonal
Calculated MW	17422

Additional Information

Gene ID	418056
Other Names	PVALB; MB
Target/Specificity	Chicken (Gallus)
Dilution	WB~~Western blotting: 0.5-2 μ g/mL; Immunohistochemistry: 5-20 μ g/mL; Immunocytochemistry: 5-20 μ g/mL; Optimal working dilutions must be determined by end user.
Format	0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	MB
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. 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. Under stress conditions, like hypoxia and anoxia, it also protects cells against reactive oxygen species thanks to its pseudoperoxidase activity.
Cellular Location	Cytoplasm, sarcoplasm {ECO:0000250 UniProtKB:P02144}

Images

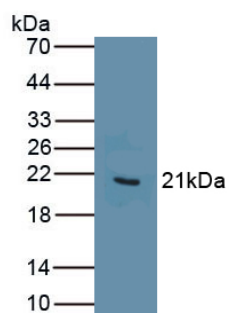


Figure. Western Blot; Sample: Recombinant MYO, Chicken.

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