

Rabbit anti-Mouse, Rat Myoglobin Polyclonal Antibody | anti-MB antibody

Anti-Myoglobin antibody

CATALOG # AAA45390	HOST Rabbit	REACTIVITY Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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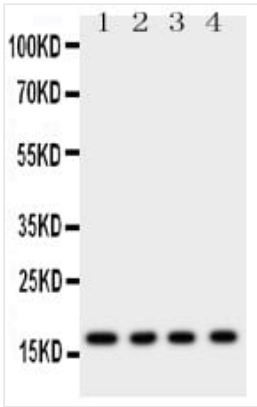
PRODUCT SYNONYMS

Myoglobin; Polyclonal Antibody; Anti-Myoglobin antibody; myoglobin; MB antibody; MGC13548 antibody; MYG_HUMAN antibody; Myoglobin antibody; PVALB antibody; anti-MB antibody

PRODUCT SPECIFICATIONS

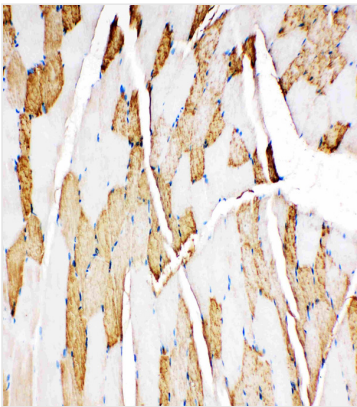
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	154
Applicable Applications for anti-MB antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse Myoglobin (138-154aa LFRNDIAAKYKELGFQG), identical to the related rat sequence.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Anti-Myoglobin antibody, AAA45390, Western blottingAll lanes: Anti Myoglobin (AAA45390) at 0.5ug/mlLane 1: Rat Skeletal Muscle Tissue Lysate at 50ugLane 2: Rat Heart Tissue Lysate at 50ugLane 3: Rat Liver Tissue Lysate at 50ugLane 4: Rat Intestine Tissue Lysate at 50ugPredicted bind size: 17KDObserved bind size: 17KD



IHC (Immunohistochemistry)

Anti-Myoglobin antibody, AAA45390, IHC(P)IHC(P): Rat Skeletal Muscle Tissue

ADDITIONAL INFORMATION

Related Product Information for anti-MB antibody

Description: Rabbit IgG polyclonal antibody for Myoglobin(MB) detection. Tested with WB, IHC-P in Mouse, Rat.
Background: Myoglobin(MB) also known as PVALB, is a single-chain globular protein of 153 or 154 amino acids, containing a heme (iron-containing porphyrin)prosthetic group in the center around which the remaining apoprotein folds. Two structural variants of myoglobin were described by Boyer et al.(1963). Boulton et al.(1969) studied postmortem muscle from 2,500 persons. Twomyoglobin variants were found, and in one of these substitution of lysine for glutamic acid at residue 53 was demonstrated. Myoglobin was the first protein to have its three-dimensional structure revealed. Jeffreys et al.(1984) used DNA probes isolated from the cloned myoglobin gene to map the gene in human-rodent somatic cell hybrids. The myoglobinlocus mapped to chromosome 22q11-q13. Myoglobin is released from damaged muscle tissue(rhabdomyolysis), which has very high concentrations of myoglobin. The released myoglobin is filtered by the kidneys but is toxic to the renal tubular epithelium and so may cause acute renal failure.

NCBI AND UNIPROT INFORMATION

NCBI GI #	127676
NCBI GeneID	17189
UniProt Accession #	P04247
Molecular Weight	17,070 Da
NCBI Official Full Name	Myoglobin
NCBI Official Synonym Full Names	myoglobin
NCBI Official Symbol	Mb
NCBI Official Synonym Symbols	A1325109
NCBI Protein Information	myoglobin
UniProt Protein Name	Myoglobin
UniProt Gene Name	Mb
UniProt Entry Name	MYG_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

