

Rabbit anti-Human Myoglobin Polyclonal Antibody | anti-MB antibody

Anti-Myoglobin antibody

CATALOG # AAA45428	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
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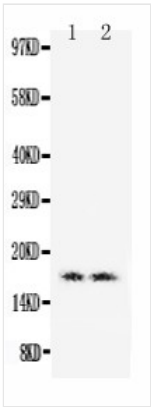
PRODUCT SYNONYMS

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	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	154
Applicable Applications for anti-MB antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Myoglobin (138-154aa LFRKDMASNYKELGFQG).
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, AAA45428, Western blottingLane 1: Human Placenta Tissue
LysateLane 2: Human Placenta Tissue Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-MB antibody	Description: Rabbit IgG polyclonal antibody for Myoglobin(MB) detection. Tested with WB in Human. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	127661
NCBI GeneID	4151
UniProt Accession #	P02144; Q52H51; Q5THY7
Molecular Weight	17,184 Da
NCBI Official Full Name	Myoglobin
NCBI Official Synonym Full Names	myoglobin
NCBI Official Symbol	MB
NCBI Official Synonym Symbols	PVALB; myoglobgin
NCBI Protein Information	myoglobin
UniProt Protein Name	Myoglobin
UniProt Gene Name	MB
UniProt Entry Name	MYG_HUMAN

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.