Datasheet for ABIN3044306

anti-Myoglobin antibody (C-Term)

2 Images | 2 Publications

Go to Product page

Overview

Quantity:	100 µg
Target:	Myoglobin (MB)
Binding Specificity:	AA 138-154, C-Term
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Myoglobin(MB) detection. Tested with WB, IHC-P in Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of mouse Myoglobin(138-154aa LFRNDIAAKYKELGFQG), identical to the related rat sequence.
Sequence:	LFRNDIAAKY KELGFQG
Isotype:	IgG
Cross-Reactivity (Details):	Predicted Cross Reactivity: mouse No cross reactivity with other proteins. Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.
Characteristics:	Rabbit IgG polyclonal antibody for Myoglobin(MB) detection. Tested with WB, IHC-P in Mouse,Rat.

Product Details

	Gene Name: myoglobin Protein Name: myoglobin
Purification:	Immunogen affinity purified.

Target Details

Target:	Myoglobin (MB)
Alternative Name:	Myoglobin (MB Products)
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. It is a member of the globin superfamily and is expressed in skeletal and cardiac muscles. This gene is 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. Synonyms: MB antibody|MGC13548 antibody|MYG_HUMAN antibody|Myoglobin antibody|PVALB antibody
UniProt:	P04247
Pathways:	Brown Fat Cell Differentiation

Application Details

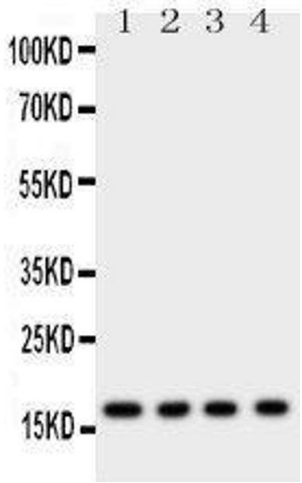
Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Rat, Predicted Species: Mouse IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Rat, Predicted Species: Mouse, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

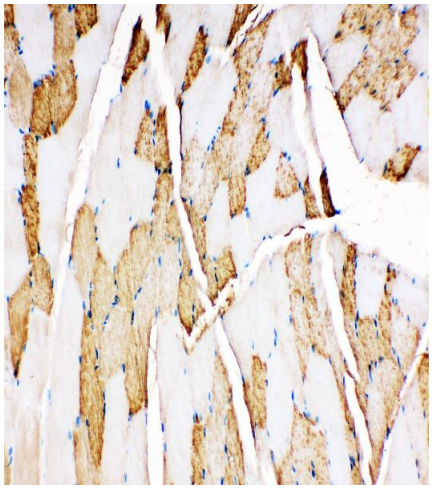
Publications

Product cited in:	Whiteland, Nicholls, Shimeld, Easty, Williams, Hill: "Immunohistochemical detection of T-cell subsets and other leukocytes in paraffin-embedded rat and mouse tissues with monoclonal antibodies." in: **The journal of histochemistry and cytochemistry : official journal of the Histochemistry Society**, Vol. 43, Issue 3, pp. 313-20, (1995) (PubMed).



Western Blotting

Image 1.



Immunohistochemistry

Image 2. Anti-Myoglobin antibody, IHC(P) IHC(P): Rat Skeletal Muscle Tissue