

Rabbit CYB5A Polyclonal Antibody | anti-CYB5A antibody

CYB5A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327022	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

CYB5A; Polyclonal Antibody; CYB5A Antibody; CYB 5; CYB 5A; CYB5; CYB5_HUMAN; Cyb5a; Cytochrome b 5; Cytochrome b5 (microsomal); Cytochrome b5; Cytochrome b5 type A (microsomal); Cytochrome b5 type A; MCB 5; MCB5; Microsomal cytochrome b5; Microsomal cytochrome b5 type A; Type 1 cyt b5; anti-CYB5A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CYB5A antibody detects endogenous levels of total CYB5A
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	124
Applicable Applications for anti-CYB5A antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CYB5A
Subcellular Location	Cytoplasm and Endoplasmic Reticulum Membrane. Microsome Membrane.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of A549 whole cell lysates, using CYB5A Antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA327022 at 1/100 staining Human gastric tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA327022 staining A549 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CYB5A antibody	Description: The protein encoded by this gene is a membrane-bound cytochrome that reduces ferric hemoglobin (methemoglobin) to ferrous hemoglobin, which is required for stearyl-CoA-desaturase activity. Defects in this gene are a cause of type IV hereditary methemoglobinemia. Three transcript variants encoding different isoforms have been found for this gene. Function: Cytochrome b5 is a membrane bound hemoprotein which function as an electron carrier for several membrane bound oxygenases. Similarity: Belongs to the cytochrome b5 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	299829246
NCBI GeneID	1528
NCBI Accession #	NP_001177736.1
NCBI GenBank Nucleotide #	NM_001190807.2
UniProt Accession #	P00167; Q6IB14; A8MV91; F8WEU4
Molecular Weight	Observed: 15 kDa Predicted: 16 kDa
NCBI Official Full Name	cytochrome b5 isoform 3
NCBI Official Synonym Full Names	cytochrome b5 type A
NCBI Official Symbol	CYB5A
NCBI Official Synonym Symbols	CYB5; MCB5; METAG
NCBI Protein Information	cytochrome b5
UniProt Protein Name	Cytochrome b5
UniProt Gene Name	CYB5A
UniProt Synonym Gene Names	CYB5; MCB5

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cyb5a-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/327022>