

Rabbit anti-Human CYB5A Polyclonal Antibody | anti-CYB5A antibody

CYB5A Antibody (Center)

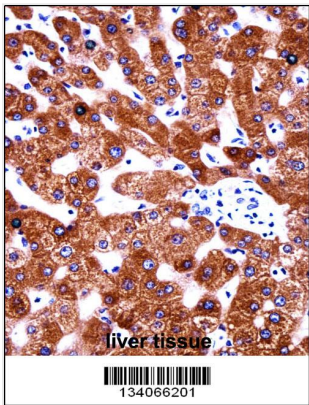
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287235	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

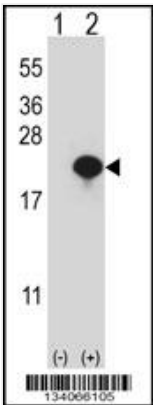
CYB5A; Polyclonal Antibody; CYB5A Antibody (Center); Cytochrome b5; Microsomal cytochrome b5 type A; MCB5; CYB5; anti-CYB5A antibody

PRODUCT SPECIFICATIONS

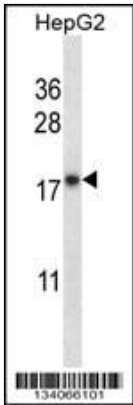
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CYB5A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 69-98 amino acids from the Central region of human CYB5A.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	69-98
Sequence Length	124
Applicable Applications for anti-CYB5A antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohistochemisry)
CYB5A Antibody (Center) (AAA287235)immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of CYB5A Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of CYB5A (arrow) using rabbit polyclonal CYB5A Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CYB5A gene.



WB (Western Blot)
CYB5A Antibody (Center) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the CYB5A antibody detected the CYB5A protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-CYB5A antibody	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.
Product Categories/Family for anti-CYB5A antibody	Metabolism; Signal Transduction
References	Gardner, A.M., et al. J. Biol. Chem. 285(31):23850-23857(2010) Kok, R.C., et al. J. Clin. Endocrinol. Metab. 95(3):994-999(2010) Sacco, J.C., et al. Pharmacogenet. Genomics 20(1):26-37(2010) Maghzal, G.J., et al. J. Biol. Chem. 283(18):12014-12025(2008) Inui, H., et al. Biochemistry 46(35):10213-10221(2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	299829246
NCBI GeneID	1528

NCBI Accession #	NP_001177736.1; NP_001905.1; NP_683725.1
NCBI GenBank Nucleotide #	NM_001190807.2
UniProt Accession #	P00167; Q6IB14; A8MV91; F8WEU4
Molecular Weight	15330
NCBI Official Full Name	cytochrome b5 isoform 3
NCBI Official Synonym Full Names	cytochrome b5 type A (microsomal)
NCBI Official Symbol	CYB5A
NCBI Official Synonym Symbols	CYB5; MCB5
NCBI Protein Information	cytochrome b5
UniProt Protein Name	Cytochrome b5
UniProt Gene Name	CYB5A
UniProt Synonym Gene Names	CYB5; MCB5
UniProt Entry Name	CYB5_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cyb5a-antibody-immunohistochemistry-western-blot-elisa/287235>