

Datasheet for ABIN657954  
**anti-CYB5A antibody (AA 69-98)**

## 3 Images

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## Overview

Quantity:	400 µL
Target:	CYB5A
Binding Specificity:	AA 69-98
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	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.
Clone:	RB34066
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	CYB5A
Alternative Name:	CYB5A ( <a href="#">CYB5A Products</a> )
Background:	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.

## Target Details

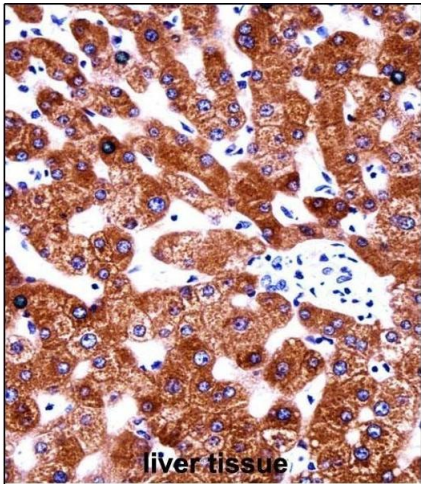
	Three transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	15330
Gene ID:	1528
NCBI Accession:	<a href="#">NP_001177736</a> , <a href="#">NP_001905</a> , <a href="#">NP_683725</a>
UniProt:	<a href="#">P00167</a>

## Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

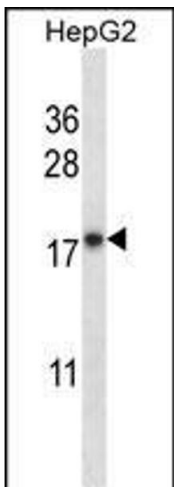
## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	CYB5A Antibody (Center) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.
Expiry Date:	6 months



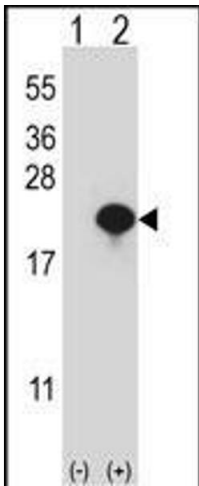
**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** CYB5A Antibody (Center) ((ABIN657954 and ABIN2846899))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.



**Western Blotting**

**Image 2.** CYB5A Antibody (Center) (ABIN657954 and ABIN2846899) western blot analysis in HepG2 cell line lysates (35 µg/lane).This demonstrates the CYB5A antibody detected the CYB5A protein (arrow).



**Western Blotting**

**Image 3.** Western blot analysis of CYB5A (arrow) using rabbit polyclonal CYB5A Antibody (Center) (ABIN657954 and ABIN2846899). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CYB5A gene.