

# CYB5R3 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20631b

## Product Information

---

<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P00387</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB49795
<b>Calculated MW</b>	34235

## Additional Information

---

<b>Gene ID</b>	1727
<b>Other Names</b>	NADH-cytochrome b5 reductase 3, B5R, Cytochrome b5 reductase, Diaphorase-1, NADH-cytochrome b5 reductase 3 membrane-bound form, NADH-cytochrome b5 reductase 3 soluble form, CYB5R3, DIA1
<b>Target/Specificity</b>	This CYB5R3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 111-144 amino acids from the Central region of human CYB5R3
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	CYB5R3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

---

<b>Name</b>	CYB5R3 ( <a href="#">HGNC:2873</a> )
<b>Synonyms</b>	DIA1
<b>Function</b>	Catalyzes the reduction of two molecules of cytochrome b5 using NADH as the electron donor.

<b>Cellular Location</b>	[Isoform 1]: Endoplasmic reticulum membrane; Lipid-anchor {ECO:0000250 UniProtKB:P20070}; Cytoplasmic side {ECO:0000250 UniProtKB:P20070}. Mitochondrion outer membrane; Lipid-anchor {ECO:0000250 UniProtKB:P20070}; Cytoplasmic side {ECO:0000250 UniProtKB:P20070}
<b>Tissue Location</b>	[Isoform 2]: Expressed at late stages of erythroid maturation.

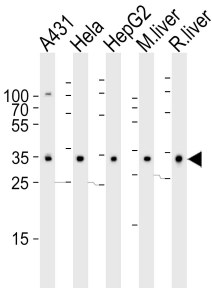
## Background

Desaturation and elongation of fatty acids, cholesterol biosynthesis, drug metabolism, and, in erythrocyte, methemoglobin reduction.

## References

Tomatsu S.,et al.Gene 80:353-361(1989).  
 Voice M.W.,et al.Submitted (NOV-1996) to the EMBL/GenBank/DDBJ databases.  
 Yoon B.,et al.Submitted (MAR-2001) to the EMBL/GenBank/DDBJ databases.  
 Lan F.,et al.Submitted (AUG-1998) to the EMBL/GenBank/DDBJ databases.  
 Kalnine N.,et al.Submitted (AUG-2003) to the EMBL/GenBank/DDBJ databases.

## Images



Western blot analysis of lysates from A431, HeLa, HepG2 cell line , mouse liver and rat liver tissue lysate(from left to right), using CYB5R3 Antibody (Center)(Cat. #AP20631b). AP20631b was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.