

CYB5R3 Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5217

Specification

CYB5R3 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P00387
Other Accession	P20070 , P83686 , Q9DCN2 , Q60HG4 , P07514
Reactivity	Human, Rat
Predicted	Bovine, Monkey, Mouse, Pig
Host	Rabbit
Clonality	polyclonal
Calculated MW	H=34,32,38;M=34,32;Rat=34,35,32 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

CYB5R3 Antibody (Center) - Additional Information

Gene ID 1727

Antigen Region
111-144

Other Names

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

Dilution

WB~~1:1000

Target/Specificity

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

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.

Storage

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.

Precautions

CYB5R3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

CYB5R3 Antibody (Center) - Protein Information

Name CYB5R3 ([HGNC:2873](#))

Synonyms DIA1

Function

Catalyzes the reduction of two molecules of cytochrome b5 using NADH as the electron donor.

Cellular Location

[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}

Tissue Location

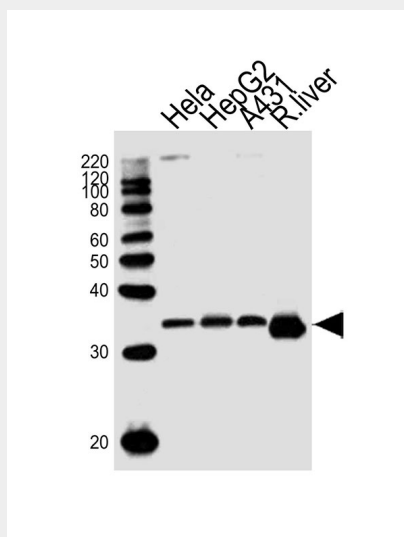
[Isoform 2]: Expressed at late stages of erythroid maturation.

CYB5R3 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CYB5R3 Antibody (Center) - Images



Western blot analysis of lysates from HeLa, HepG2, A431 cell line, rat liver tissue lysate (from left to right), using CYB5R3 (soluble form) Antibody (Center) (Cat. #AW5217). AW5217 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:10000 dilution was used as the secondary antibody.

CYB5R3 Antibody (Center) - Background

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

CYB5R3 Antibody (Center) - 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.