

CYB5R3 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AW5217

Product Information

Application	WB
Primary Accession	P00387
Other Accession	P20070 , P83686 , Q9DCN2 , Q60HG4 , P07514
Reactivity	Human, Rat
Predicted	Mouse, Monkey, Bovine
Host	Rabbit
Clonality	polyclonal
Calculated MW	34235
Isotype	Rabbit IgG
Antigen Source	HUMAN

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.

Protein Information

Name	CYB5R3 (HGNC:2873)
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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.

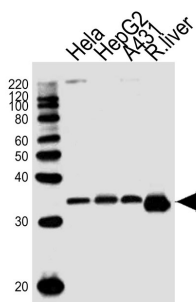
Background

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 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.

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