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CYB5R3 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50643

Product Information

Application	WB, IHC
Primary Accession	P00387
Host	Rabbit
Clonality	polyclonal
Calculated MW	34235

Additional Information

Gene ID	1727
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 IHC~~1:50-1:100
Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.
Storage Conditions	-20℃

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.

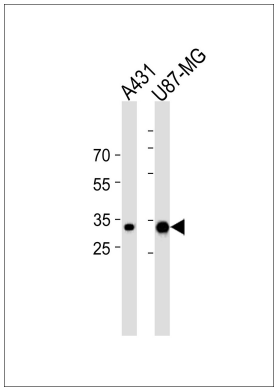
Background

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

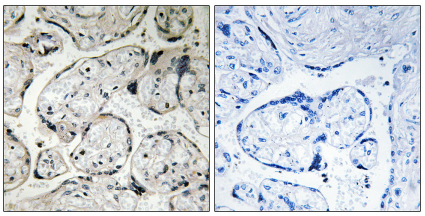
References

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,U-87 MG cell line (from left to right),using CYB5R3 Antibody(AP50643). AP50643 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.



Immunohistochemistry analysis of paraffin-embedded human placenta tissue using CYB5R3 antibody.

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