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CYB5A Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14033c

Product Information

Application	WB, IHC-P, E
Primary Accession	P00167
Other Accession	NP_001905.1, NP_001177736.1, NP_683725.1
Reactivity	Human
Predicted	Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34066
Calculated MW	15330
Antigen Region	69-98

Additional Information

Gene ID	1528
Other Names	Cytochrome b5, Microsomal cytochrome b5 type A, MCB5, CYB5A, CYB5
Target/Specificity	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.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
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	CYB5A Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CYB5A
Synonyms	CYB5
Function	Cytochrome b5 is a membrane-bound hemoprotein functioning as an

	electron carrier for several membrane-bound oxygenases.
Cellular Location	[Isoform 1]: Endoplasmic reticulum membrane; Single-pass membrane protein; Cytoplasmic side. Microsome membrane; Single-pass membrane protein; Cytoplasmic side

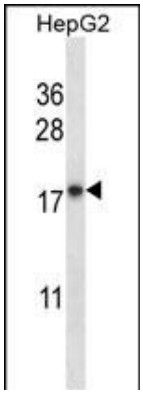
Background

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. Three transcript variants encoding different isoforms have been found for this gene.

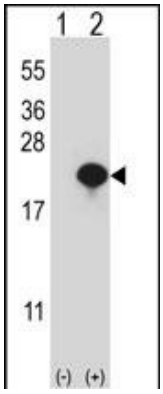
References

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Images

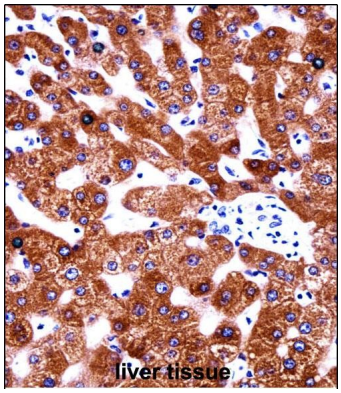


CYB5A Antibody (Center) (Cat. #AP14033c) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the CYB5A antibody detected the CYB5A protein (arrow).



Western blot analysis of CYB5A (arrow) using rabbit polyclonal CYB5A Antibody (Center) (Cat. #AP14033c). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CYB5A gene.

CYB5A Antibody (Center) (AP14033c)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.



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