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CYB5R2 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20834a

Product Information

Application	WB, E
Primary Accession	Q6BCY4
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB50299
Calculated MW	31458

Additional Information

Gene ID	51700
Other Names	NADH-cytochrome b5 reductase 2, b5R2, CYB5R2
Target/Specificity	This CYB5R2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 33-67 amino acids from the N-terminal region of human CYB5R2.
Dilution	WB~~1:1000 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	CYB5R2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CYB5R2 (HGNC:24376)
Function	NADH-cytochrome b5 reductases are involved in desaturation and elongation of fatty acids, cholesterol biosynthesis, drug metabolism, and, in erythrocyte, methemoglobin reduction (By similarity). Responsible for NADH-dependent lucigenin chemiluminescence in spermatozoa by reducing both lucigenin and 2-[4-iodophenyl]-3-[4-

nitrophenyl]-5-[2,4-disulfophenyl]-2H tetrazolium monosodium salt (WST- 1).

Tissue Location Restricted expression.

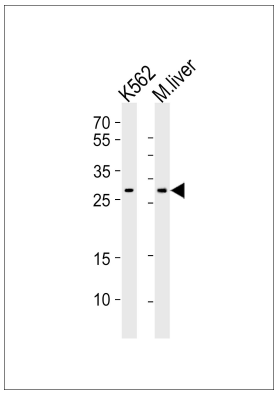
Background

NADH-cytochrome b5 reductases are involved in desaturation and elongation of fatty acids, cholesterol biosynthesis, drug metabolism, and, in erythrocyte, methemoglobin reduction (By similarity). Responsible for NADH-dependent lucigenin chemiluminescence in spermatozoa by reducing both lucigenin and 2-[4-iodophenyl]-3-[4-nitrophenyl]-5-[2,4- disulfophenyl]-2H tetrazolium monosodium salt (WST-1).

References

Zhu H.,et al.Proc. Natl. Acad. Sci. U.S.A. 96:14742-14747(1999).
Baker M.A.,et al.Biol. Reprod. 73:334-342(2005).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).

Images



Western blot analysis of lysates from K562 cell line, mouse liver tissue lysate (from left to right), using CYB5R2 Antibody (N-term)(Cat. #AP20834a). AP20834a 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. Lysates at 35ug per lane.

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