

CYB5R2 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20834a

Product Information

Application	WB, E
Primary Accession	Q6BCY4
Reactivity	Human, Rat, Mouse
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).

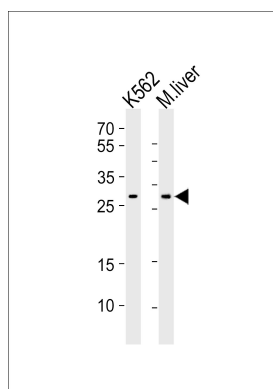
References

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'.