

CYB5R2 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20834a

Product Information

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|--------------------------|------------------------|
| 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

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|---------------------------|--|
| 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

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|-----------------|---|
| 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).

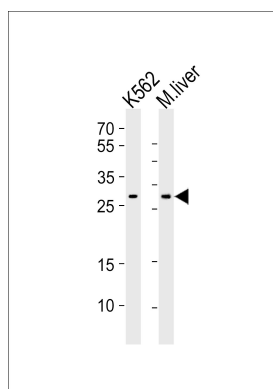
References

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'.