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CYB5R2 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20834a

Specification

CYB5R2 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q6BCY4
Other Accession	Q6AY12, Q3KNK3
Reactivity	**Human, Mouse**
Predicted	**Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**31458**

CYB5R2 Antibody (N-term) - 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

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.

CYB5R2 Antibody (N-term) - 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).

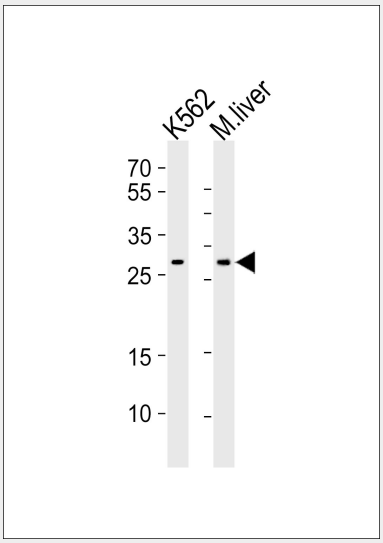
Tissue Location
Restricted expression.

CYB5R2 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CYB5R2 Antibody (N-term) - 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.

CYB5R2 Antibody (N-term) - 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).

CYB5R2 Antibody (N-term) - 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).