

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

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.

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).

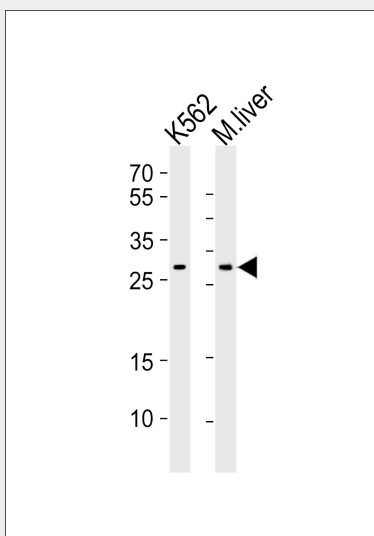
Tissue Location

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 Cytometry](#)
- [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).