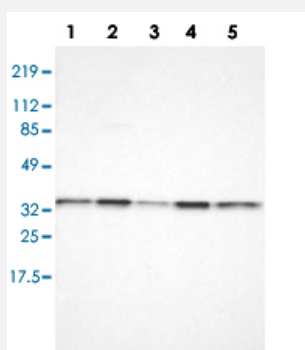


CYB5R3 polyclonal antibody

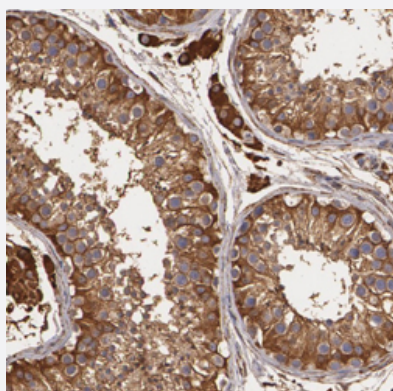
Catalog # PAB28452 Size 100 uL

Applications



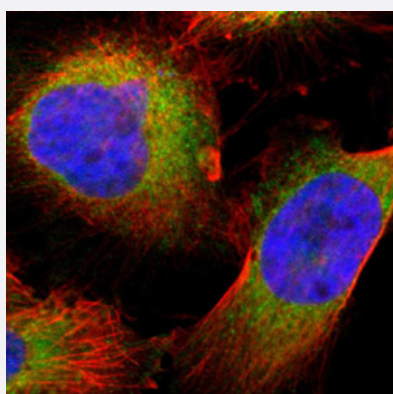
Western Blot

Western blot analysis of Lane 1: RT-4, Lane 2: U-251 MG, Lane 3: A-431, Lane 4: Liver, Lane 5: Tonsil with CYB5R3 polyclonal antibody (Cat # PAB28452) at 1:100-1:250 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human testis with CYB5R3 polyclonal antibody (Cat # PAB28452) shows strong cytoplasmic positivity in cells in seminiferous ducts and Leydig cells at 1:1000-1:2500 dilution.



Immunofluorescence

Immunofluorescent staining of U373 MG with CYB5R3 polyclonal antibody (Cat # PAB28452) at 1-4 ug/mL dilution shows positivity in endoplasmic reticulum.

Specification

| | |
|----------------------------|--|
| Product Description | Rabbit polyclonal antibody raised against recombinant CYB5R3. |
| Immunogen | Recombinant protein corresponding to amino acids of recombinant CYB5R3. |
| Sequence | SGLLVYQGKGKFAIRPDKKSNPIIRTVKSVMAGGTGITPMLQVIRAIMKDPDDHTVCHLLFANQTE KDILLRPELEELRNKHSARFKLWYTLDRAPEAWDYGQGFVNEEMIRDHLPPEEEPLVLMCGPP PMIQYACLPNLDH |
| Host | Rabbit |
| Reactivity | Human |
| Form | Liquid |
| Purification | Antigen affinity purification |
| Isotype | IgG |
| Recommend Usage | Immunohistochemistry(1:1000-1:2500) Western Blot(1:100-1:250) Immunofluorescence (1-4 ug/ml) The optimal working dilution should be determined by the end user. |
| Storage Buffer | In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide) |
| Storage Instruction | Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing. |
| Note | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

Applications

- Western Blot

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Gene Info — CYB5R3

Entrez GeneID [1727](#)

Protein Accession# [P00387](#)

Gene Name CYB5R3

Gene Alias B5R, DIA1

Gene Description cytochrome b5 reductase 3

Omim ID [250800](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes cytochrome b5 reductase, which includes a membrane-bound form in somatic cells (anchored in the endoplasmic reticulum, mitochondrial and other membranes) and a soluble form in erythrocytes. The membrane-bound form exists mainly on the cytoplasmic side of the endoplasmic reticulum and functions in desaturation and elongation of fatty acids, in cholesterol biosynthesis, and in drug metabolism. The erythrocyte form is located in a soluble fraction of circulating erythrocytes and is involved in methemoglobin reduction. The membrane-bound form has both membrane-binding and catalytic domains, while the soluble form has only the catalytic domain. These two forms are resulted from alternative splicing of the gene. Mutations in this gene cause methemoglobinemias. [provided by RefSeq]

Other Designations NADH-cytochrome b5 reductase|OTTHUMP00000028761|cytochrome b5 reductase|diaphorase (NADH) (cytochrome b-5 reductase)

Pathway

- [Amino sugar and nucleotide sugar metabolism](#)

Disease

- [Kidney Failure](#)