

Anti-CYB5R3 Antibody

Rabbit polyclonal antibody to CYB5R3

Catalog # AP59536

Product Information

| | |
|--------------------------|-------------------------------|
| Application | WB, IP, IHC |
| Primary Accession | P00387 |
| Reactivity | Human, Mouse, Rat, Drosophila |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 34235 |

Additional Information

| | |
|---------------------------|---|
| Gene ID | 1727 |
| Other Names | DIA1; NADH-cytochrome b5 reductase 3; B5R; Cytochrome b5 reductase; Diaphorase-1 |
| Target/Specificity | Recognizes endogenous levels of CYB5R3 protein. |
| Dilution | WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IP (1/10 - 1/100) IP~~N/A IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IP (1/10 - 1/100) |
| Format | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide. |
| Storage | Store at -20 °C.Stable for 12 months from date of receipt |

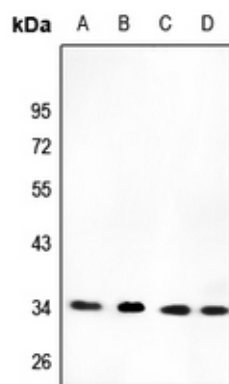
Protein Information

| | |
|--------------------------|---|
| Name | CYB5R3 (HGNC:2873) |
| Synonyms | DIA1 |
| Function | Catalyzes the reduction of two molecules of cytochrome b5 using NADH as the electron donor. |
| Cellular Location | [Isoform 1]: Endoplasmic reticulum membrane; Lipid-anchor {ECO:0000250 UniProtKB:P20070}; Cytoplasmic side {ECO:0000250 UniProtKB:P20070}. Mitochondrion outer membrane; Lipid-anchor {ECO:0000250 UniProtKB:P20070}; Cytoplasmic side {ECO:0000250 UniProtKB:P20070} |
| Tissue Location | [Isoform 2]: Expressed at late stages of erythroid maturation. |

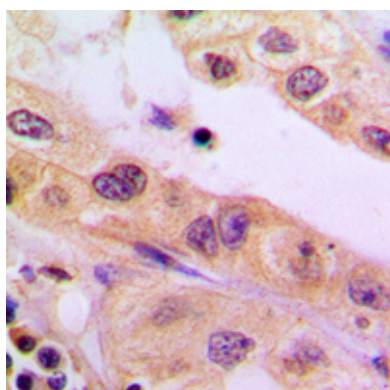
Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CYB5R3. The exact sequence is proprietary.

Images



Western blot analysis of CYB5R3 expression in MCF7 (A), A549 (B), mouse testis (C), rat testis (D) whole cell lysates.



Immunohistochemical analysis of CYB5R3 staining in human liver cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.