

## CYB5R3 Polyclonal Antibody

Catalog number: 10894-1-AP

Size: 27 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

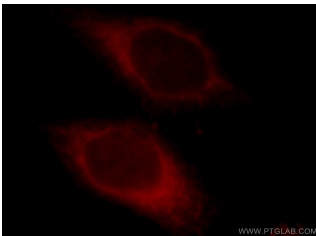
CYB5R3; B5R, CYB5R3,

Cytochrome b5 reductase,

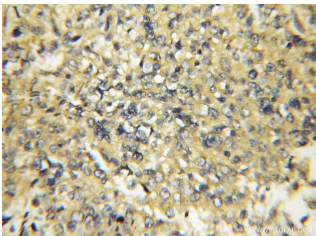
cytochrome b5 reductase 3,

DIA1, Diaphorase 1, NADH

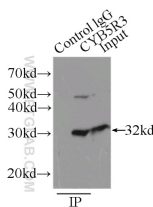
cytochrome b5 reductase 3



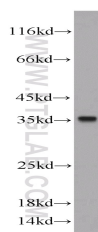
Immunofluorescent analysis of HepG2 cells, using CYB5R3 antibody 10894-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical of paraffin-embedded human lung cancer using 10894-1-AP(CYB5R3 antibody) at dilution of 1:50 (under 10x lens)



IP Result of anti-CYB5R3 (IP:10894-1-AP, 3µg; Detection:10894-1-AP 1:1000) with HepG2 cells lysate 6000µg.



### Background

CYB5R3, also named as DIA1 and B5R, belongs to the flavoprotein pyridine nucleotide cytochrome reductase family. It plays an essential role in the mitochondrial metabolism by its contribution to cellular redox homeostasis. Overstimulation of CYB5R3 associated with lipid rafts can account for the overshoot of plasma membrane-focalized superoxide anion production that triggers the entry of CGN in the irreversible phase of apoptosis.

### Applications

Tested applications:	ELISA, WB, IHC, IF, IP
Cited applications:	IF, IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Hamster, rat
Calculated CYB5R3 MW:	33 kDa
Observed CYB5R3 MW:	30-35kd
Positive WB detected in	HepG2 cells, A431 cells, HeLa cells, human liver tissue, human lung tissue, human placenta tissue, MCF7 cells
Positive IP detected in	HepG2 cells
Positive IHC detected in	Human lung cancer tissue
Positive IF detected in	Hela cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:500-1:5000 IHC: 1:20-1:200 IF: 1:10-1:100

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag1339
GenBank accession number:	BC004821
Gene ID (NCBI):	1727
Full name:	Cytochrome b5 reductase 3

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

HepG2 cells were subjected to SDS PAGE followed by western blot with 10894-1-AP(CYB5R3 antibody) at dilution of 1:1000