

Product datasheet for **TA370044**

CYB5R1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: K562□Hela and HEPG2 cell lysates IHC: 25-100 Positive control: Human liver cancer Predicted cell location: Cytoplasm and Cell membrane
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human CYB5R1
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	34 kDa
Gene Name:	cytochrome b5 reductase 1
Database Link:	Entrez Gene 51706 Human Q9UHQ9



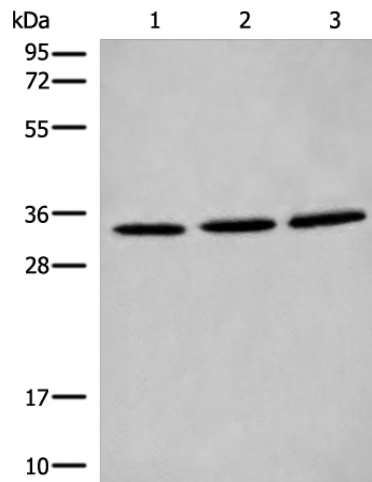
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Background:

NADH-cytochrome b5 reductases participate in a variety of physiological processes including biosynthesis of cholesterol, methemoglobin reduction of erythrocytes, elongation of fatty acids and metabolism of drugs. CYB5R1 (cytochrome b5 reductase 1), also known as NADH-cytochrome b5 reductase 1, B5R1, NQO3A2, humb5R2 or NAD(P)H:quinone oxidoreductase type 3 polypeptide A2, is a 305 amino acid single-pass membrane protein that contains one FAD-binding FR-type domain and belongs to the flavoprotein pyridine nucleotide cytochrome reductase family. Widely expressed, CYB5R1 binds FAD as a cofactor and is encoded by a gene located on human chromosome 1. Human chromosome 1 spans 260 million base pairs, contains over 3,000 genes, comprises nearly 8% of the human genome and houses a large number of disease-associated genes, including those that are involved in familial adenomatous polyposis, Stickler syndrome, Parkinson's disease, Gaucher disease, schizophrenia and Usher syndrome.

Synonyms:

B5R.1; B5R1; humb5R2; NQO3A2

Product images:

Gel: 12%SDS-PAGE

Lysate: 40 μ g

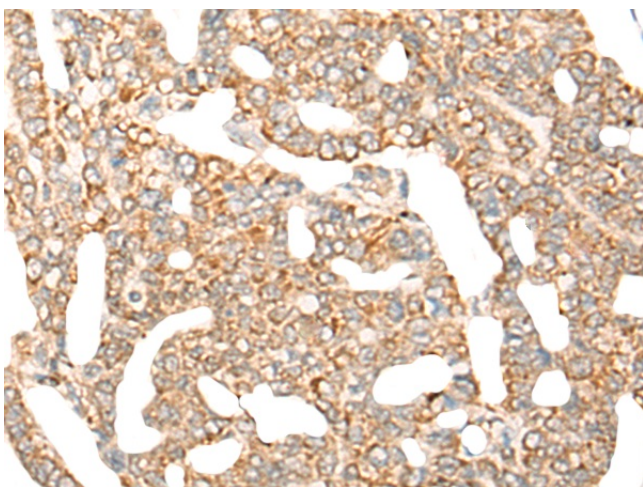
Lane 1-3: K562

Hela and HEPG2 cell lysates

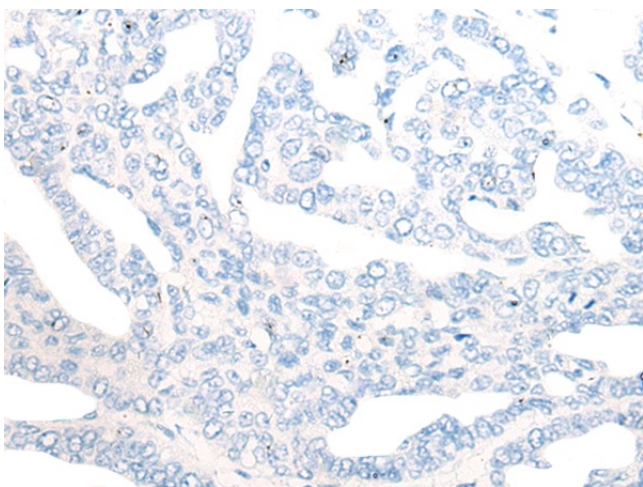
Primary antibody: TA370044 (CYB5R1 Antibody)
at dilution 1/300

Secondary antibody: Goat anti rabbit IgG at
1/8000 dilution

Exposure time: 5 seconds



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA370044 (CYB5R1 Antibody) at dilution 1/30 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA370044 (CYB5R1 Antibody) at dilution 1/30, treated with fusion protein. (Original magnification: $\times 200$)