

For Research Use Only

CYB5R3 Monoclonal antibody

Catalog Number: 66022-1-Ig **Featured Product**



Basic Information

Catalog Number: 66022-1-Ig	GenBank Accession Number: BC004821	Purification Method: Protein A purification
Size: 1900 µg/ml	GeneID (NCBI): 1727	CloneNo.: 9C4D10
Source: Mouse	UNIPROT ID: P00387	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:1000-1:4000 IF 1:200-1:800
Isotype: IgG2b	Full Name: cytochrome b5 reductase 3	
Immunogen Catalog Number: AG18096	Calculated MW: 33 kDa	
	Observed MW: 33 kDa	

Applications

Tested Applications:
IF/ICC, IHC, WB, ELISA

Species Specificity:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: HeLa cells, human heart tissue, human plasma tissue, HepG2 cells, L02 cells

IHC: human liver cancer tissue, human liver tissue, human placenta tissue

IF: HeLa cells, HepG2 cells

Background Information

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.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

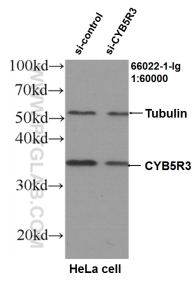
T: 4006900926

E: Proteintech-CN@ptglab.com

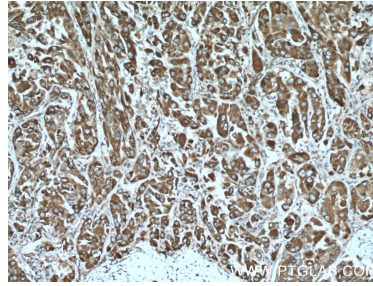
W: ptgcn.com

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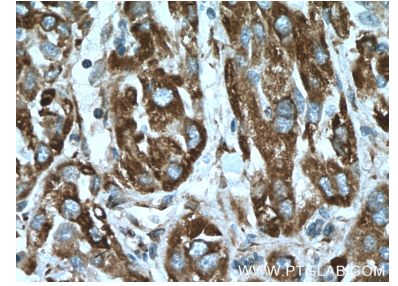
Selected Validation Data



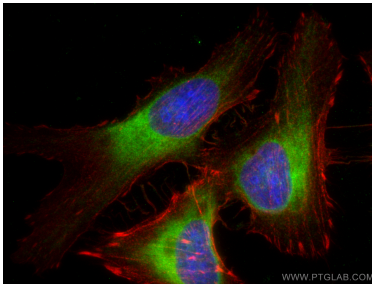
WB results of CYB5R3 antibody (66022-1-Ig, 1:60000) with si-Control and si-CYB5R3 transfected HeLa cells.



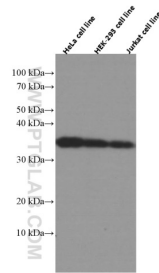
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66022-1-Ig (CYB5R3 antibody) at dilution of 1:2000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66022-1-Ig (CYB5R3 antibody) at dilution of 1:2000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CYB5R3 antibody (66022-1-Ig, Clone: 9C4D10) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).



Western blot analysis of CYB5R3-specific in various tissues using Proteintech antibody 66022-1-Ig at dilution of 1:40000 incubated at room temperature for 1.5 hours.