

For Research Use Only

# CYB5R3 Monoclonal antibody, PBS Only



Catalog Number: 66022-1-PBS

Featured Product

## Basic Information

Catalog Number:

66022-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG18096

GenBank Accession Number:

BC004821

GeneID (NCBI):

1727

UNIPROT ID:

P00387

Full Name:

cytochrome b5 reductase 3

Calculated MW:

33 kDa

Observed MW:

33 kDa

Purification Method:

Protein A purification

CloneNo.:

9C4D10

## Applications

Tested Applications:

WB, Indirect ELISA, IHC, IF

Species Specificity:

human

## 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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

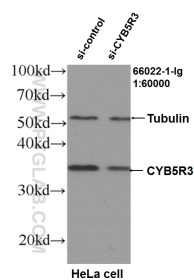
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

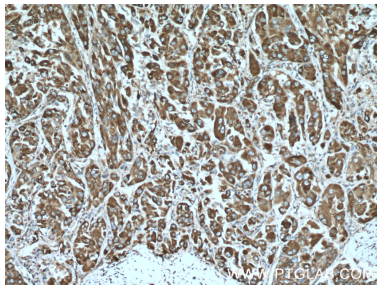
W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

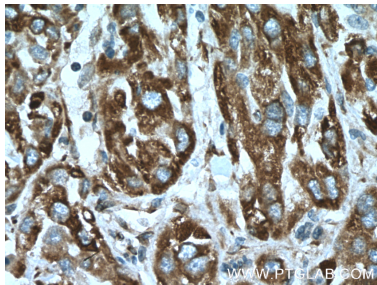
Selected Validation Data



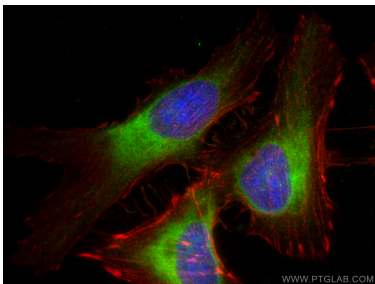
WB results of CYB5R3 antibody (66022-1-Ig, 1:60000) with si-Control and si-CYB5R3 transfected HeLa cells. This data was developed using the same antibody clone with 66022-1-PBS in a different storage buffer formulation.



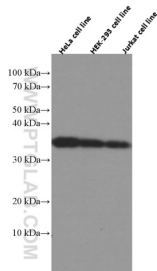
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66022-1-Ig (CYB5R3 antibody) at dilution of 1:2000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66022-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66022-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66022-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 66022-1-PBS in a different storage buffer formulation.