

For Research Use Only

# CoraLite®594-conjugated CYB5R3 Polyclonal antibody



Catalog Number:CL594-10894

Featured Product

## Basic Information

Catalog Number:

CL594-10894

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1339

GenBank Accession Number:

BC004821

GeneID (NCBI):

1727

UNIPROT ID:

P00387

Full Name:

cytochrome b5 reductase 3

Calculated MW:

33 kDa

Observed MW:

30-35 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

## Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse, rat, pig

Positive Controls:

IF/ICC : HeLa 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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

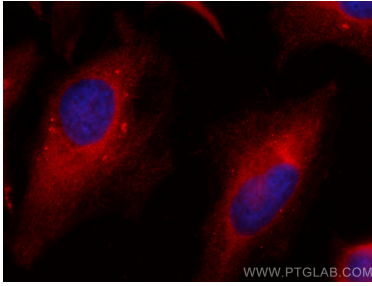
T: 4006900926

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

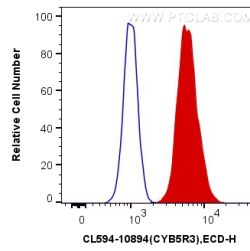
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Coralite®594 CYB5R3 antibody (CL594-10894) at dilution of 1:200.



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug Coralite®594 Anti-Human CYB5R3 (CL594-10894) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).