

For Research Use Only

CoraLite® Plus 488-conjugated CYB5R3 Polyclonal antibody



Catalog Number: CL488-10894

Featured Product

Basic Information

Catalog Number: CL488-10894	GenBank Accession Number: BC004821	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1727	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: cytochrome b5 reductase 3	Excitation/Emission maxima wavelengths: 488 nm / 515 nm
Isotype: IgG	Calculated MW: 33 kDa	
Immunogen Catalog Number: AG1339	Observed MW: 30-35 kDa	

Applications

Tested Applications: FC (Intra), IF	Positive Controls: IF : HeLa cells,
Species Specificity: human, mouse, pig, rat	

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

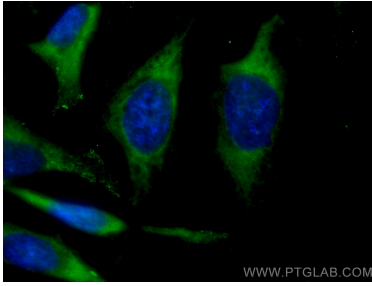
Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

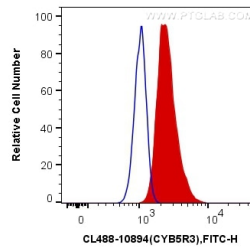
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Coralite® Plus 488 CYB5R3 antibody (CL488-10894) at dilution of 1:200.



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Coralite® Plus 488 Anti-Human CYB5R3 (CL488-10894) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).