

For Research Use Only

# CoraLite® Plus 488-conjugated SDHB Polyclonal antibody



Catalog Number: CL488-10620

Featured Product

## Basic Information

Catalog Number:

CL488-10620

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0968

GenBank Accession Number:

BC007840

GeneID (NCBI):

6390

UNIPROT ID:

P21912

Full Name:

succinate dehydrogenase complex, subunit B, iron sulfur (lp)

Calculated MW:

32 kDa

Observed MW:

28-32 kDa

Purification Method:

Antigen affinity purification

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

FC (Intra)

Species Specificity:

human, mouse, rat

## Background Information

SDHB(Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial) is also named as SDH, SDH1 and belongs to the succinate dehydrogenase/fumarate reductase iron-sulfur protein family. The SDHD, SDHB, and SDHC genes encode subunits of mitochondrial complex II (succinate dehydrogenase). Mitochondrial complex II is a heterotetrameric complex involved in the aerobic electron transport chain and catalyses the oxidation of succinate to fumarate (Krebs cycle) with transport of electrons to the ubiquinone pool. SDHA and SDHB are the hydrophilic catalytic part of the complex and are highly conserved(J Med Genet 2004;41:e99). Defects in SDHB are a cause of susceptibility to pheochromocytoma (PCC), paragangliomas type 4 (PGL4), paraganglioma and gastric stromal sarcoma (PGGS) and Cowden-like syndrome (CWDLS).

## 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:

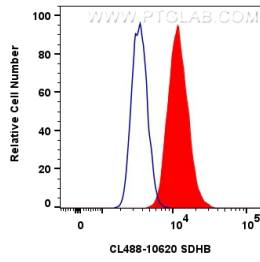
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



1x10<sup>6</sup> HepG2 cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human SDHB (CL488-10620) (red), or 0.8 ug CoraLite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000, Clone:.) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).