

For Research Use Only

CoraLite® Plus 488-conjugated CPS1 Polyclonal antibody



Catalog Number: CL488-18703

Featured Product

Basic Information

Catalog Number:

CL488-18703

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC140943

GeneID (NCBI):

1373

UNIPROT ID:

P31327

Full Name:

carbamoyl-phosphate synthetase 1, mitochondrial

Calculated MW:

165 kDa

Observed MW:

140-165 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : HepG2 cells,

Background Information

CPS1 is an enzyme that catalyzes the first committed step of the hepatic urea cycle, which is important in the removal of excess urea from cells. Expressed primarily in the liver and small intestine, CPS1 can be used as a marker for mitochondria in these tissues. In addition, CPS1 expression appears to be lost in adenocarcinomas of the small intestine. The antibody can recognize two isoforms of this gene around 165 kDa and 116 kDa.

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:

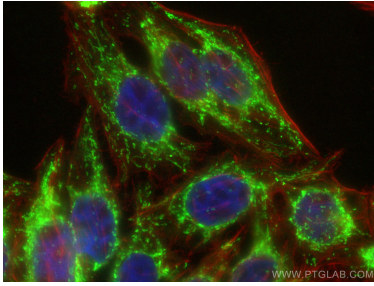
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Coralite® Plus 488 CPS1 antibody (CL488-18703) at dilution of 1:200, CL594-Phalloidin (red).