

For Research Use Only



# CoraLite® Plus 488-conjugated Aconitase 1 Polyclonal antibody

Catalog Number:CL488-12406

## Basic Information

Catalog Number:

CL488-12406

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3083

GenBank Accession Number:

BC018103

GeneID (NCBI):

48

UNIPROT ID:

P21399

Full Name:

aconitase 1, soluble

Calculated MW:

889 aa, 98 kDa

Observed MW:

98 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF-P

Species Specificity:

human, mouse, rat

Positive Controls:

IF-P : mouse liver tissue,

## Background Information

Mammalian cells possess two distinct isoforms of aconitase encoded by different genes: Aconitase 1 [ACO1; cytosolic aconitase (c-aconitase)] encoded by ACO1 and Aconitase 2 [ACO2; mitochondrial aconitase (m-aconitase)] encoded by ACO2. In addition to the enzymatic roles in the cytoplasm, ACO1 also is known to bind to mRNAs of specific genes and maintain iron homeostasis.

## 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:

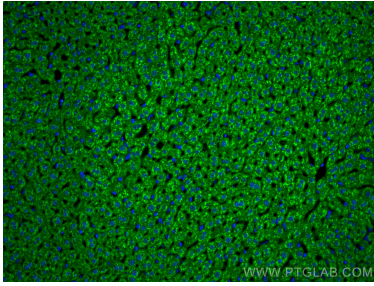
T: 4006900926

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

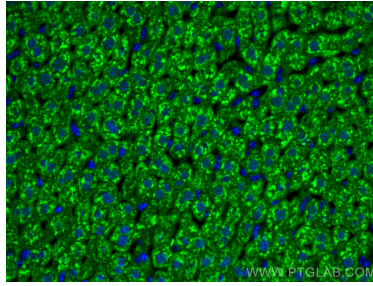
W: [ptgcn.com](http://ptgcn.com)

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 mouse liver tissue using Coralite® Plus 488 Aconitase 1 antibody (CL488-12406) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed mouse liver tissue using Coralite® Plus 488 Aconitase 1 antibody (CL488-12406) at dilution of 1:200.