

For Research Use Only

CoraLite® Plus 488-conjugated Aconitase 1 Polyclonal antibody



Catalog Number: CL488-12406

Basic Information

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|--|--|---|
| Catalog Number: CL488-12406 | GenBank Accession Number: BC018103 | Purification Method: Antigen affinity purification |
| Size: 1000 µg/ml | GeneID (NCBI): 48 | Recommended Dilutions: IF 1:50-1:500 |
| Source: Rabbit | UNIPROT ID: P21399 | Excitation/Emission maxima wavelengths: 493 nm / 522 nm |
| Isotype: IgG | Full Name: aconitase 1, soluble | |
| Immunogen Catalog Number: AG3083 | Calculated MW: 889 aa, 98 kDa | |
| | Observed MW: 98 kDa | |

Applications

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|--|---|
| Tested Applications: IF-P | Positive Controls: IF : mouse liver tissue, |
| Species Specificity: human, mouse, rat | |

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:

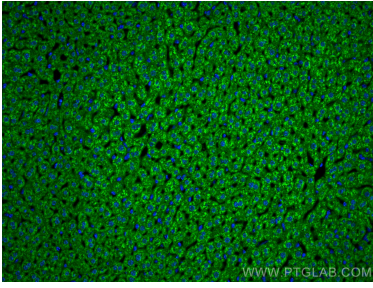
T: 4006900926

E: Proteintech-CN@ptglab.com

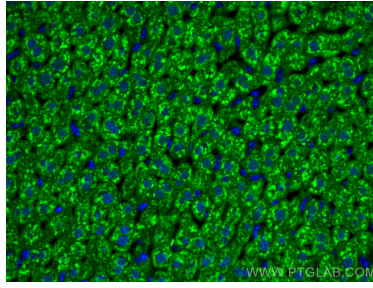
W: ptgcn.com

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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.



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