

For Research Use Only

CoraLite® Plus 488-conjugated Aconitase 1 Polyclonal antibody



Catalog Number: CL488-12406

Basic Information

Catalog Number: CL488-12406	GenBank Accession Number: BC018103	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 48	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: aconitase 1, soluble	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Calculated MW: 889 aa, 98 kDa	
Immunogen Catalog Number: AG3083	Observed MW: 98 kDa	

Applications

Tested Applications: IF	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

*** 20ul sizes contain 0.1% BSA

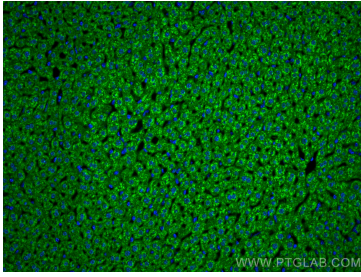
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

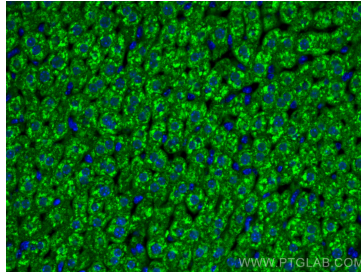
E: proteintech@ptglab.com
W: ptglab.com

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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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