

For Research Use Only

CoraLite® Plus 488-conjugated CISD2 Polyclonal antibody



Catalog Number: **CL488-13318**

Featured Product

Basic Information

| | | |
|--|---|---|
| Catalog Number: CL488-13318 | GenBank Accession Number: BC032300 | Purification Method: Antigen affinity purification |
| Size: 100ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): 493856 | Excitation/Emission maxima wavelengths: 488 nm / 515 nm |
| Source: Rabbit | Full Name: CDGSH iron sulfur domain 2 | |
| Isotype: IgG | Calculated MW: 135 aa, 15 kDa | |
| Immunogen Catalog Number: AG4172 | Observed MW: 13-15 kDa | |

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human, mouse, rat

Background Information

CISD2 gene encodes a 15 kDa CDGSH iron-sulfur domain-containing protein 2, which is also named Miner1 or NAF-1, this protein was reported on endoplasmic reticulum membrane or mitochondrion outer membrane. Defects in CISD2 are the cause of Wolfram syndrome type 2 (WFS2), a rare disorder characterized by juvenile-onset insulin-dependent diabetes mellitus with optic atrophy. CISD2 regulates autophagy program by interacting BCL2, contributing to antagonize BECN1-mediated cellular autophagy at the endoplasmic reticulum.

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.

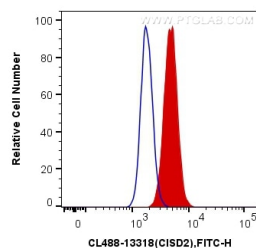
Aliquoting is unnecessary for -20°C storage

*** 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)
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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



1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human CISD2 (CL488-13318) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).