

For Research Use Only

CoraLite® Plus 488-conjugated ATP5O Monoclonal antibody



Catalog Number:CL488-66696

Basic Information

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|--|--|---|
| Catalog Number: CL488-66696 | GenBank Accession Number: BC021233 | Purification Method: Protein G purification |
| Size: 1000 µg/ml | GeneID (NCBI): 539 | CloneNo.: 1D3B8 |
| Source: Mouse | UNIPROT ID: P48047 | Recommended Dilutions: IF 1:50-1:500 |
| Isotype: IgG1 | Full Name: ATP synthase, H ⁺ transporting, mitochondrial F1 complex, O subunit | Excitation/Emission maxima wavelengths: 493 nm / 522 nm |
| Immunogen Catalog Number: AG1458 | Calculated MW: 23 kDa | |
| | Observed MW: 23-25 kDa | |

Applications

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|---------------------------------------|--|
| Tested Applications: IF/ICC | Positive Controls: IF : HepG2 cells, |
| Species Specificity: Human | |

Background Information

ATP5O(ATP synthase subunit O, mitochondrial) is also named as ATPO, OSCP and belongs to the ATPase delta chain family. The gene encodes the oligomycin sensitivity-conferring protein (OSCP) of ATP synthase. The predicted polypeptide is 213 amino acids long with more than 80% identity to the bovine and mouse homologs and it is expressed at highest levels in muscle and heart by the northern blot(PMID:7490082). Many studies have indicated that mitochondrial dysfunction is central to the development of most age-related human diseases including neurodegenerative diseases, cancer, and type 2 diabetes.

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:

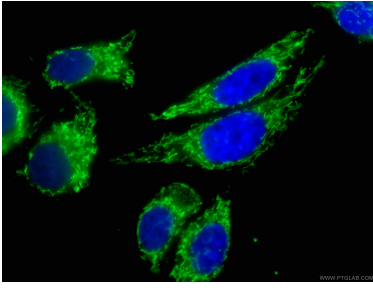
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CL488-66696 (ATP5O antibody) at dilution of 1:100.