

For Research Use Only

CoraLite®594-conjugated ATP5O Monoclonal antibody

Catalog Number:CL594-66696



Basic Information

Catalog Number:

CL594-66696

Concentration:

1000 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG1458

GenBank Accession Number:

BC021233

GeneID (NCBI):

539

UNIPROT ID:

P48047

Full Name:

ATP synthase, H⁺ transporting, mitochondrial F1 complex, O subunit

Calculated MW:

23 kDa

Observed MW:

23-25 kDa

Purification Method:

Protein G purification

CloneNo.:

1D3B8

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC : HepG2 cells,

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

Aliquoting is unnecessary for -20°C storage

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

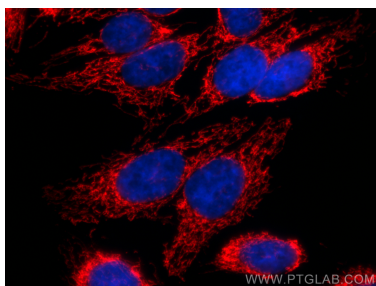
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite®594 ATP5O antibody (CL594-66696, Clone: 1D3B8) at dilution of 1:200.