

For Research Use Only

# CoraLite®488-conjugated ATP5O Monoclonal antibody



Catalog Number:CL488-66696

## Basic Information

<b>Catalog Number:</b> CL488-66696	<b>GenBank Accession Number:</b> BC021233	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100UL, Concentration: 1000 µg/ml by 539 Nanodrop;	<b>GeneID (NCBI):</b> 539	<b>CloneNo.:</b> 1D3B8
<b>Source:</b> Mouse	<b>Full Name:</b> ATP synthase, H+ transporting, mitochondrial F1 complex, O subunit	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 23 kDa	<b>Excitation/Emission maxima wavelengths:</b> 488 nm/515 nm
<b>Immunogen Catalog Number:</b> AG1458	<b>Observed MW:</b> 23-25 kDa	

## Applications

<b>Tested Applications:</b> IF, ELISA	<b>Positive Controls:</b> IF : HepG2 cells,
<b>Species Specificity:</b> 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.

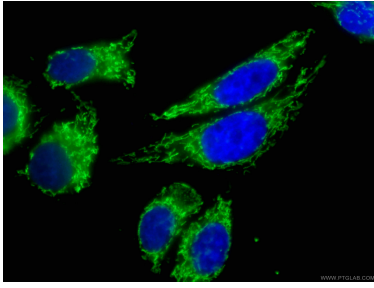
## Storage

**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:  
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 HepG2 cells using CL488-66696 (ATP5O antibody) at dilution of 1:100.