

For Research Use Only

# ATPB Monoclonal antibody

Catalog Number: 66600-1-Ig **2 Publications**



## Basic Information

<b>Catalog Number:</b> 66600-1-Ig	<b>GenBank Accession Number:</b> BC016512	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1400 ug/ml by 506 Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 506	<b>CloneNo.:</b> 1A11B9
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P06576	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:250-1:1000 IF/ICC 1:500-1:2000
<b>Isotype:</b> IgG2b	<b>Full Name:</b> ATP synthase, H <sup>+</sup> transporting, mitochondrial F1 complex, beta polypeptide	
<b>Immunogen Catalog Number:</b> AG11177	<b>Calculated MW:</b> 529 aa, 57 kDa	
	<b>Observed MW:</b> 45-57 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b> <b>WB :</b> HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, HSCT6 cells, Raw 264.7 cells, NIH/3T3 cells <b>IHC :</b> human liver tissue, mouse skeletal muscle tissue <b>IF/ICC :</b> HepG2 cells,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> Human, Mouse , Rat	
<b>Cited Species:</b> human, rat	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

ATP5B, also named as ATPMB and ATP5B, belongs to the ATPase alpha/beta chains family. It is a high affinity HDL receptor for apolipoprotein A1. ATP5B is a subunit of mitochondrial ATP synthase (F1F0 ATP synthase or Complex V). ATP5B has a calculated molecular mass of 57 kDa and ~5 kDa transit peptide can be removed in the mature form.

## Notable Publications

Author	Pubmed ID	Journal	Application
Simona Kurekova	35191136	Cell Biol Int	WB
Stephanie Zur Nedden	39332493	Metabolism	WB
Motahareh Solina Safari	39182844	Mol Metab	WB

## Storage

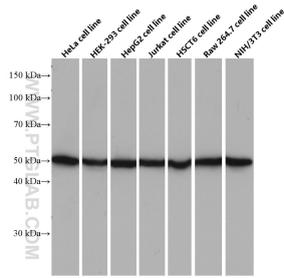
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

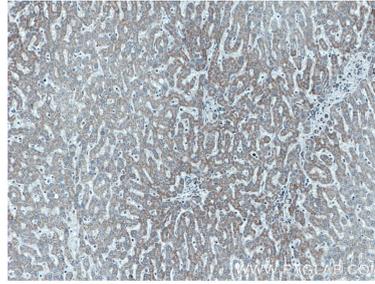
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

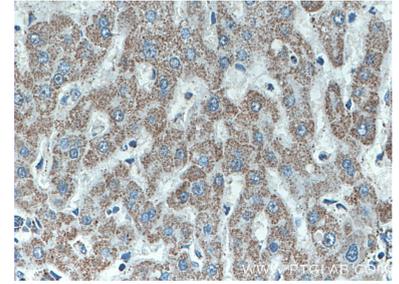
## Selected Validation Data



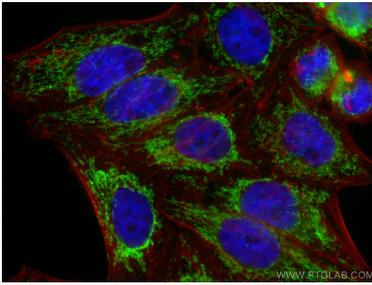
Various lysates were subjected to SDS PAGE followed by western blot with 66600-1-Ig (ATPB antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



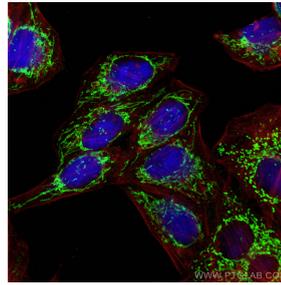
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66600-1-Ig (ATPB antibody) at dilution of 1:500 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66600-1-Ig (ATPB antibody) at dilution of 1:500 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using ATPB antibody (66600-1-Ig, Clone: 1A11B9) at dilution of 1:1000 and Coralite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using ATPB antibody (66600-1-Ig, Clone: 1A11B9) at dilution of 1:1000 and Coralite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red).