

# ATP5C1 Polyclonal antibody

Catalog Number: 10910-1-AP

5 Publications

## Basic Information

<b>Catalog Number:</b> 10910-1-AP	<b>GenBank Accession Number:</b> BC000931	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 550 µg/ml by Nanodrop and 320 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 509	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IHC 1:250-1:1000 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> ATP synthase, H <sup>+</sup> transporting, mitochondrial F1 complex, gamma polypeptide 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 33 kDa	
<b>Immunogen Catalog Number:</b> AG1343	<b>Observed MW:</b> 33 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IP, WB	<b>WB :</b> mouse brain tissue, human heart tissue, human skeletal muscle tissue, mouse skeletal muscle tissue, rat brain tissue, rat skeletal muscle tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> human liver cancer tissue,
<b>Cited Species:</b> human, mouse	<b>IF :</b> HepG2 cells,
<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

ATP5C1(ATP synthase subunit gamma, mitochondrial) is also named as ATP5C, ATP5CL1 and belongs to the ATPase gamma chain family. Some scientists reported the complete sequence of the gene for the human ATP synthase gamma subunit and described tissue-specific isoforms of the subunit generated by alternative splicing of exon 9. The liver (L) isoform differed from the heart (H) isoform by the addition of a single amino acid (asp273) at the C terminus. (PMID:8227057).

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhenhong Ni	29165041	Autophagy	WB, IP
Stephanie M J Flidner	22859959	PLoS One	WB
Xinxin Zuo	33398173	Nat Struct Mol Biol	WB

## Storage

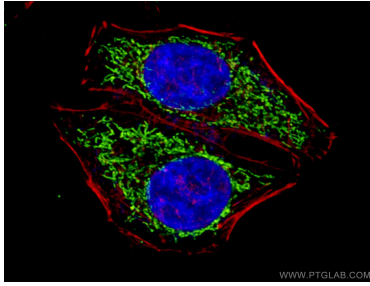
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

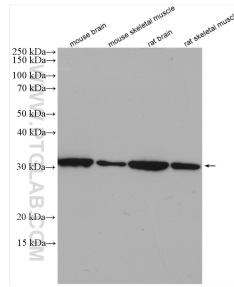
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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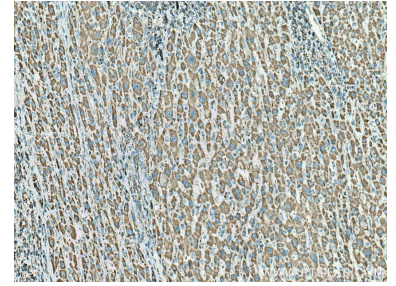
## Selected Validation Data



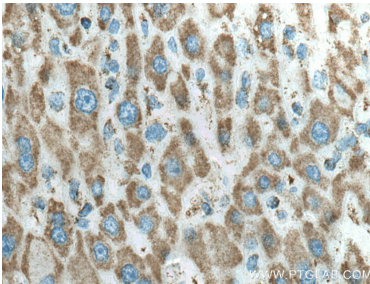
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 10910-1-AP (ATP5C1 antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L); Phalloidin stains F-actin (Red).



Various lysates were subjected to SDS PAGE followed by western blot with 10910-1-AP (ATP5C1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 10910-1-AP (ATP5C1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 10910-1-AP (ATP5C1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).