

For Research Use Only

ATP5C1 Polyclonal antibody

Catalog Number: 10910-1-AP

9 Publications



Basic Information

Catalog Number: 10910-1-AP	GenBank Accession Number: BC000931	Purification Method: Antigen affinity purification
Concentration: 550 ug/ml	GeneID (NCBI): 509	Recommended Dilutions: WB: 1:500-1:3000
Source: Rabbit	UNIPROT ID: P36542	IHC: 1:250-1:1000
Isotype: IgG	Full Name: ATP synthase, H ⁺ transporting, mitochondrial F1 complex, gamma polypeptide 1	IF/ICC: 1:200-1:800
Immunogen Catalog Number: AG1343	Calculated MW: 33 kDa	
	Observed MW: 33 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Cited Applications: WB, IP	WB : mouse brain tissue, human heart tissue, human skeletal muscle tissue, mouse skeletal muscle tissue, rat brain tissue, rat skeletal muscle tissue
Species Specificity: human, mouse, rat	IHC : human liver cancer tissue,
Cited Species: human, mouse	IF/ICC : HepG2 cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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
Rhea Nadkarni	36129453	J Exp Med	
Zhenhong Ni	29165041	Autophagy	WB,IP
Stephanie M J Fliedner	22859959	PLoS One	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

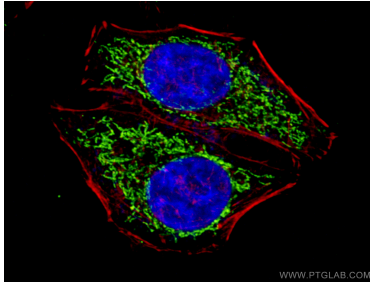
T: 4006900926

E: Proteintech-CN@ptglab.com

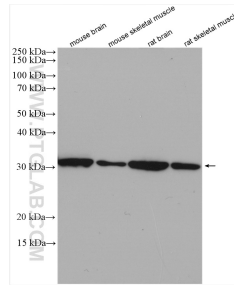
W: ptgcn.com

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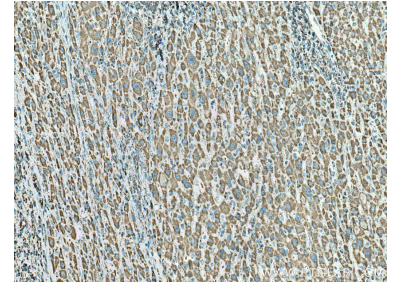
Selected Validation Data



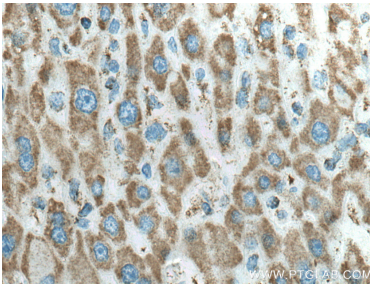
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 10910-1-AP (ATP5C1 antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L); Phalloidin stains F-actin (Red).



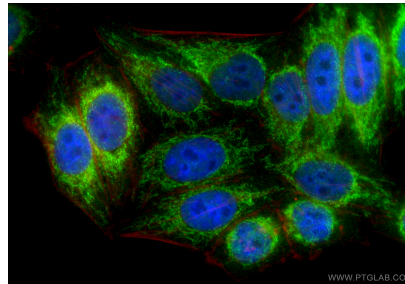
Various lysates were subjected to SDS PAGE followed by western blot with 10910-1-AP (ATP5C1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



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).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using ATP5C1 antibody (10910-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).