

For Research Use Only

ATP5D Polyclonal antibody

Catalog Number: 14893-1-AP **7 Publications**



Basic Information

Catalog Number: 14893-1-AP	GenBank Accession Number: BC002389	Purification Method: Antigen affinity purification
Size: 400 µg/ml	GeneID (NCBI): 513	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:200-1:600
Source: Rabbit	UNIPROT ID: P30049	
Isotype: IgG	Full Name: ATP synthase, H ⁺ transporting, mitochondrial F1 complex, delta subunit	
Immunogen Catalog Number: AG6682	Calculated MW: 17 kDa	
	Observed MW: 15-17 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: WB, IF	WB: A549 cells, NIH/3T3 cells, HeLa cells, HepG2 cells
Species Specificity: human, mouse	IHC: human liver cancer tissue, human lung cancer tissue, human kidney tissue
Cited Species: human, mouse	
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

The mitochondrial F1Fo-ATP synthase complex uses energy derived from a proton gradient to synthesize ATP. The ATP5D gene encodes the delta subunit of the mitochondrial ATP synthase F1 complex and belongs to the ATPase epsilon chain family. This gene encodes the full length protein of 17 kDa with a transit peptide of 22 amino acid.

Notable Publications

Author	Pubmed ID	Journal	Application
Anaïs Aulas	30425239	Cell Death Dis	WB
Liangjun Xia	35401830	Theranostics	WB
Belén Ansoleaga	27297670	J Neuropathol Exp Neurol	IF

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

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

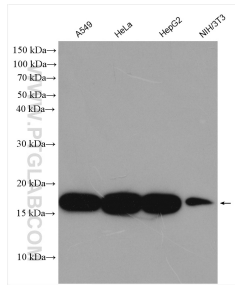
T: 4006900926

E: Proteintech-CN@ptglab.com

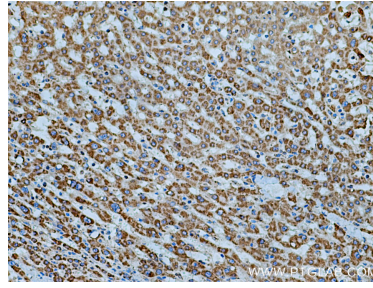
W: ptgcn.com

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

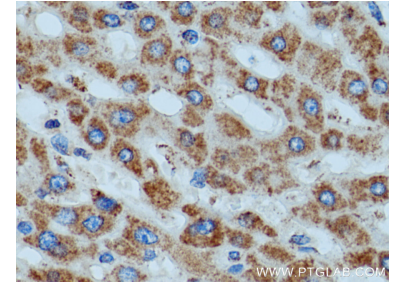
Selected Validation Data



A549 cells were subjected to SDS PAGE followed by western blot with 14893-1-AP (ATP5D antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 14893-1-AP (ATP5D 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 14893-1-AP (ATP5D antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).