

For Research Use Only

ATP5D Monoclonal antibody

Catalog Number: 66673-1-Ig



Basic Information

Catalog Number:

66673-1-Ig

Size:

1700 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG7016

GenBank Accession Number:

BC002389

GeneID (NCBI):

513

UNIPROT ID:

P30049

Full Name:

ATP synthase, H⁺ transporting, mitochondrial F1 complex, delta subunit

Calculated MW:

17 kDa

Observed MW:

15-17 kDa

Purification Method:

Protein G purification

CloneNo.:

1G12C7

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

Human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells

IHC: human kidney tissue,

Background Information

The mitochondrial F₁F₀-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.

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:

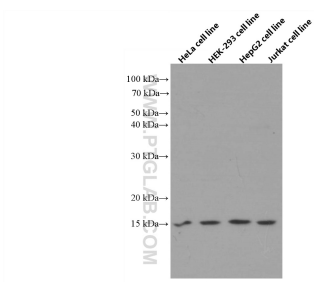
T: 4006900926

E: Proteintech-CN@ptglab.com

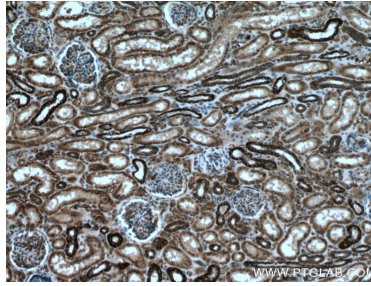
W: ptgcn.com

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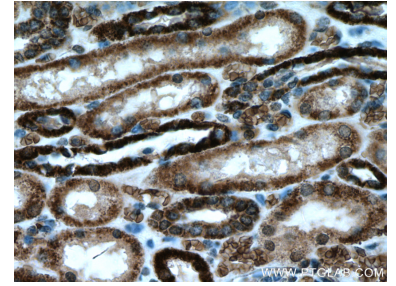
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66673-1-Ig (ATP5D antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 66673-1-Ig (ATP5D antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 66673-1-Ig (ATP5D antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).