

For Research Use Only

ATP5H Recombinant antibody

Catalog Number: 86174-2-RR



Basic Information

Catalog Number:

86174-2-RR

Size:

100ul, Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11429

GenBank Accession Number:

BC032245

GeneID (NCBI):

10476

UNIPROT ID:

O75947

Full Name:

ATP synthase, H⁺ transporting, mitochondrial F₀ complex, subunit d

Calculated MW:

137 aa, 16 kDa

Observed MW:

19-22 kDa

Purification Method:

Protein A purification

CloneNo.:

250751G4

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HepG2 cells, Jurkat cells, Ramos cells, SK-BR-3 cells, PANC-1 cells, mouse liver tissue, rat liver tissue

Background Information

Mitochondrial membrane ATP synthase (F₁-F₀ ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the membrane which is generated by electron transport complexes of the respiratory chain. It is composed of the soluble catalytic core, F₁, and the membrane-spanning component and F₀, which comprises the proton channel. The F₀ seems to have nine subunits (a, b, c, d, e, f, g, F₆ and 8). ATP5H gene encodes ATP synthase subunit d of the F₀ complex.

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

*** 20ul sizes contain 0.1% BSA

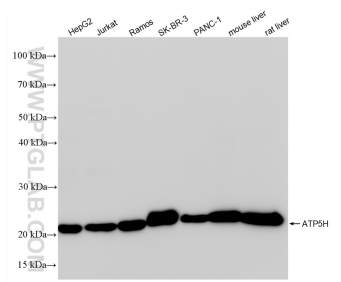
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

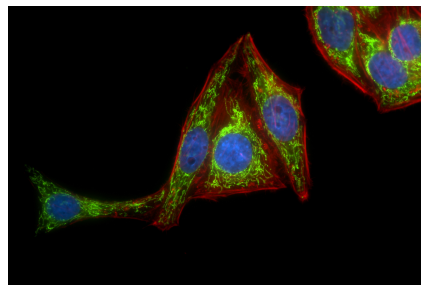
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86174-2-RR (ATP5H antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using ATP5H antibody (86174-2-RR, Clone: 250751G4) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).