

For Research Use Only

ATP5L Polyclonal antibody

Catalog Number: 16307-1-AP

3 Publications



Basic Information

Catalog Number:

16307-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9287

GenBank Accession Number:

BC015128

GeneID (NCBI):

10632

UNIPROT ID:

O75964

Full Name:

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

Calculated MW:

11 kDa

Observed MW:

11 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, rat

Positive Controls:

WB: 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). ATP5L gene encodes ATP synthase subunit g of the F₀ complex.

Notable Publications

Author	Pubmed ID	Journal	Application
Tetsuro Matsushashi	28579242	EBioMedicine	
Ruchika Anand	27479602	PLoS One	WB
Sun Dongmei D	23170809	J Proteome Res	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

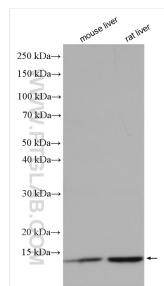
For technical support and original validation data for this product please contact:

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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 16307-1-AP (ATP5L antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.