

For Research Use Only

# ATP5F1 Monoclonal antibody, PBS Only



Catalog Number: 68304-1-PBS

## Basic Information

Catalog Number:

68304-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG8571

GenBank Accession Number:

BC005366

GeneID (NCBI):

515

UNIPROT ID:

P24539

Full Name:

ATP synthase, H<sup>+</sup> transporting, mitochondrial FO complex, subunit B1

Calculated MW:

256 aa, 29 kDa

Observed MW:

25-30 kDa

Purification Method:

Protein G purification

CloneNo.:

1A10G9

## Applications

Tested Applications:

WB, Indirect ELISA, IF

Species Specificity:

Human, Mouse, Rat

## Background Information

ATP5F1 (ATP synthase subunit b) belongs to the eukaryotic ATPase B chain family. The ATP5F1 gene encodes subunit B of the mitochondrial ATP synthase Fo unit, which contains 214-amino acid with a 42-amino acid import signal (PMID:1831354). Mitochondrial membrane ATP synthase (F<sub>1</sub>F<sub>0</sub> 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.

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

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

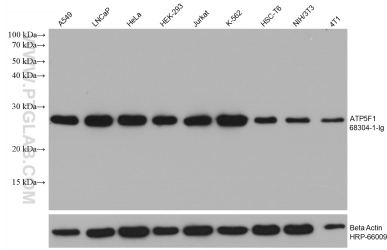
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

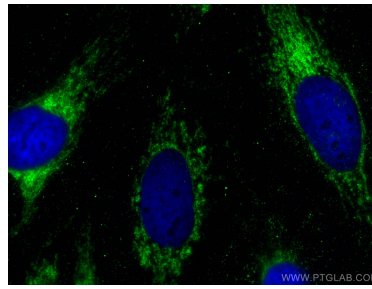
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68304-1-Ig (ATP5F1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control. This data was developed using the same antibody clone with 68304-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using ATP5F1 antibody (68304-1-Ig, Clone: 1A10G9) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68304-1-PBS in a different storage buffer formulation.