

For Research Use Only

ATP5F1 Monoclonal antibody

Catalog Number: 68304-1-Ig



Basic Information

Catalog Number: 68304-1-Ig	GenBank Accession Number: BC005366	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 515	CloneNo.: 1A10G9
Source: Mouse	UNIPROT ID: P24539	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:200-1:800
Isotype: IgG1	Full Name: ATP synthase, H ⁺ transporting, mitochondrial F0 complex, subunit B1	
Immunogen Catalog Number: AG8571	Calculated MW: 256 aa, 29 kDa	
	Observed MW: 25-30 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: Human, Mouse, Rat	WB : A549 cells, LNCaP cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells, 4T1 cells
	IF/ICC : HeLa cells,

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(F1F0 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

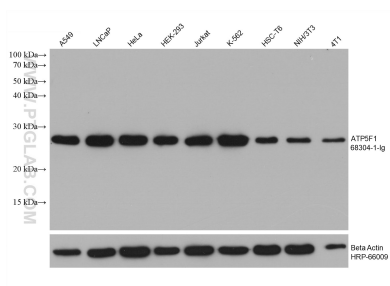
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

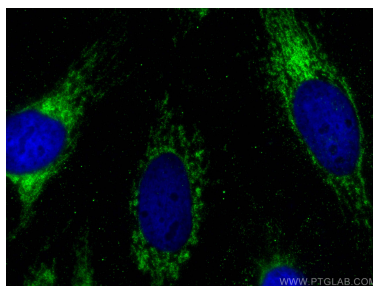
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 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.



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).