

For Research Use Only

CoraLite® Plus 488-conjugated ATP5I Polyclonal antibody



Catalog Number:CL488-16483

Basic Information

Catalog Number: CL488-16483	GenBank Accession Number: BC003679	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 521	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: ATP synthase, H+ transporting, mitochondrial F0 complex, subunit E	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Calculated MW: 69 aa, 8 kDa	
Immunogen Catalog Number: AG9605	Observed MW: 8 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : HeLa cells,
Species Specificity: human, mouse, rat	

Background Information

ATP5I(ATP synthase subunit e) is also named as ATP5K and belongs to the ATPase e subunit family. The ATP5I gene encodes the e subunit of the mitochondrial ATP synthase Fo complex. 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. Antisense ATP5I in a human HCC cell line inhibited cell growth suggesting that ATP5I acts through the MAP kinase pathway(PMID:11939412).

Storage

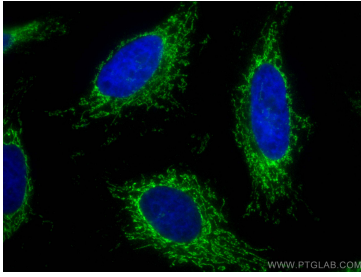
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Coralite® Plus 488 ATP5I antibody (CL488-16483) at dilution of 1:200.