

For Research Use Only

CoraLite® Plus 488-conjugated ATP5I Recombinant monoclonal antibody

Catalog Number: CL488-86218-2



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL488-86218-2	BC003679	Protein A purification
Size:	GenID (NCBI):	Clone No.:
100μl, Concentration: 1000 ug/ml by Nanodrop;	521	250815C6
Source:	UNIPROT ID:	Recommended Dilutions:
Rabbit	P56385	IF/ICC: 1:50-1:500
Isotype:	Full Name:	Excitation/Emission maxima
IgG	ATP synthase, H ⁺ transporting, mitochondrial F ₀ complex, subunit E	wavelengths: 493 nm / 522 nm
Immunogen Catalog Number:	Calculated MW:	
AG9605	69 aa, 8 kDa	
	Observed MW:	
	8 kDa	

Applications

Tested Applications:	Positive Controls:
IF/ICC	IF/ICC : HepG2 cells,
Species Specificity:	
human	

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 F₀ 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).

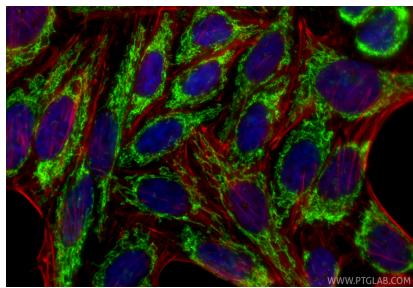
Storage

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, pH7.3
Aliquoting is unnecessary for -20°C storage

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

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 HepG2 cells using Coralite® Plus 488 ATP51 antibody (CL488-86218-2, Clone: 250815C6) at dilution of 1:200, CL594-phalloidin (red).