

For Research Use Only

ATP5S Polyclonal antibody, PBS Only

Catalog Number:16335-1-PBS



Basic Information

Catalog Number:

16335-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9486

GenBank Accession Number:

BC011549

GeneID (NCBI):

27109

UNIPROT ID:

Q99766

Full Name:

ATP synthase, H⁺ transporting, mitochondrial FO complex, subunit s (factor B)

Calculated MW:

127aa,15 kDa; 215aa,25 kDa

Observed MW:

23 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IF/ICC, Indirect ELISA

Species Specificity:

human

Background Information

DMAC2L also known as ATP5S, belongs to the ATP synthase family, which is a group of enzymes that play a crucial role in cellular energy production. ATP synthase is the central enzyme in oxidative phosphorylation, responsible for the production of most of the ATP in mammalian organisms. ATP5S is the S subunit (also known as factor B) of mitochondrial FO complex of ATP synthase. It is an essential component of the H⁺ channel of the FO complex (PMID:7706317, 6143319).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

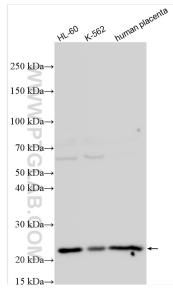
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

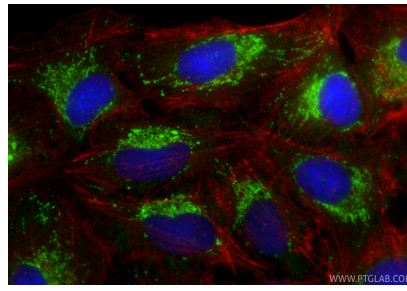
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16335-1-AP (ATP5S antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 16335-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed U2OS cells using ATP5S antibody (16335-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 16335-1-PBS in a different storage buffer formulation.