

For Research Use Only

# ATP5S Polyclonal antibody

Catalog Number: 16335-1-AP

1 Publications



## Basic Information

Catalog Number:

16335-1-AP

Size:

150ul, Concentration: 450 µg/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<sup>+</sup> 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

Recommended Dilutions:

WB 1:1000-1:4000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB: HL-60 cells, K-562 cells, human placenta tissue

## 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<sup>+</sup> channel of the FO complex (PMID:7706317, 6143319).

## Notable Publications

Author	Pubmed ID	Journal	Application
Fengyun Wen	26385595	Biochem Genet	WB

## 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

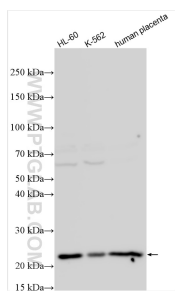
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## Selected Validation Data



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.