

ATP5S Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20241A**Specification**

ATP5S Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O99766
Other Accession	O4R5S4 , NP_001003803.1
Reactivity	Human
Predicted	Monkey
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	23226
Antigen Region	36-64

ATP5S Antibody (N-term) - Additional Information**Gene ID** 27109**Other Names**

ATP synthase subunit s, mitochondrial, ATP synthase-coupling factor B, FB, Mitochondrial ATP synthase regulatory component factor B, ATP5S, ATPW

Target/Specificity

This ATP5S antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 36-64 amino acids from the N-terminal region of human ATP5S.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ATP5S Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ATP5S Antibody (N-term) - Protein Information**Name** DMAC2L ([HGNC:18799](#))

Function Involved in regulation of mitochondrial membrane ATP synthase. Necessary for H(+) conduction of ATP synthase. Facilitates energy-driven catalysis of ATP synthesis by blocking a proton leak through an alternative proton exit pathway.

Cellular Location

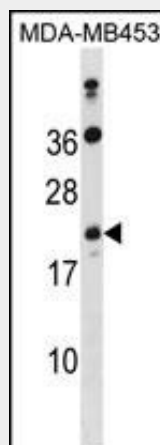
Mitochondrion {ECO:0000250|UniProtKB:P22027}. Mitochondrion inner membrane {ECO:0000250|UniProtKB:P22027}

ATP5S Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ATP5S Antibody (N-term) - Images



ATP5S Antibody (N-term) (Cat. #AP20241a) western blot analysis in MDA-MB453 cell line lysates (35ug/lane). This demonstrates the ATP5S antibody detected the ATP5S protein (arrow).

ATP5S Antibody (N-term) - Background

This gene encodes a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. ATP synthase is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, comprising the proton channel. This gene encodes the subunit s, also known as factor B, of the proton channel. This subunit is necessary for the energy transduction activity of the ATP synthase complexes. Alternatively spliced transcript variants encoding different isoforms have been identified.

ATP5S Antibody (N-term) - References

Ma, J., et al. Atherosclerosis 191(1):63-72(2007)
Cross, R.L. Nature 427(6973):407-408(2004)
Oster, G., et al. Trends Cell Biol. 13(3):114-121(2003)
Leyva, J.A., et al. Mol. Membr. Biol. 20(1):27-33(2003)
Belogradov, G.I., et al. J. Biol. Chem. 277(8):6097-6103(2002)