

ATP5S Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51729**Specification**

ATP5S Antibody - Product Information

Application	WB
Primary Accession	Q99766
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25 KDa
Antigen Region	11 - 70

ATP5S Antibody - 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

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ATP5S. The exact sequence is proprietary.

Dilution

WB~~ 1:1000

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

ATP5S Antibody - 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

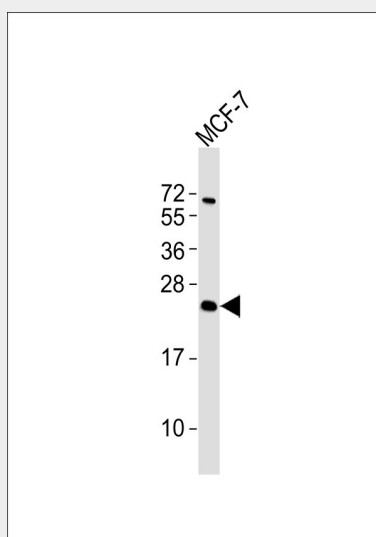
Mitochondrion {ECO:0000250|UniProtKB:P22027}. Mitochondrion inner membrane {ECO:0000250|UniProtKB:P22027}

ATP5S Antibody - 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 - Images



Anti-ATP5S Antibody at 1:1000 dilution + MCF-7 whole cell lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 25 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

ATP5S Antibody - Background

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 (By similarity).

ATP5S Antibody - References

Yu W., et al. *Genome Res.* 7:353-358(1997).
Belogrudov G.I., et al. *J. Biol. Chem.* 277:6097-6103(2002).
Ota T., et al. *Nat. Genet.* 36:40-45(2004).
Heilig R., et al. *Nature* 421:601-607(2003).
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DBJ databases.