

MT-ATP6 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF4113a**Specification**

MT-ATP6 Antibody (internal region) - Product Information

Application	WB
Primary Accession	P00846
Other Accession	YP_003024031.1 , 4508
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	24817

MT-ATP6 Antibody (internal region) - Additional Information**Gene ID** 4508**Other Names**

ATP synthase subunit a, F-ATPase protein 6, MT-ATP6, ATP6, ATPASE6, MTATP6

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MT-ATP6 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

MT-ATP6 Antibody (internal region) - Protein Information**Name** MT-ATP6**Synonyms** ATP6, ATPASE6, MTATP6**Function**

Mitochondrial membrane ATP synthase (F(1)F(0) 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. F-type ATPases consist of two structural domains, F(1) - containing the extramembraneous catalytic core and F(0) - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F(1) is coupled via a rotary mechanism of the central stalk subunits to

proton translocation. Key component of the proton channel; it may play a direct role in the translocation of protons across the membrane.

Cellular Location

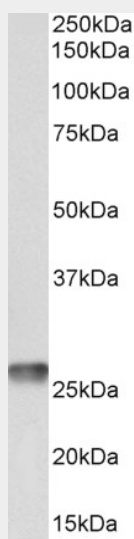
Mitochondrion inner membrane; Multi-pass membrane protein

MT-ATP6 Antibody (internal region) - 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](#)

MT-ATP6 Antibody (internal region) - Images



AF4113a (0.1 µg/ml) staining of Human Heart lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

MT-ATP6 Antibody (internal region) - References

Genetic dysfunction of MT-ATP6 causes axonal Charcot-Marie-Tooth disease. Pitceathly RD, Murphy SM, Cottenie E, Chalasani A, Sweeney MG, Woodward C, Mudanohwo EE, Hargreaves I, Heales S, Land J, Holton JL, Houlden H, Blake J, Champion M, Flinter F, Robb SA, Page R, Rose M, Palace J, Crowe C, Longman C, Lunn MP, Rahman S, Reilly Neurology 2012 Sep 79 (11): 1145-54. PMID: 22933740