

**ATP5F1 (aa142-153) Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF4114a

**Specification**

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**ATP5F1 (aa142-153) Antibody (internal region) - Product Information**

Application	WB
Primary Accession	<a href="#">P24539</a>
Other Accession	<a href="#">NP_001679.2</a> , <a href="#">515</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	28909

**ATP5F1 (aa142-153) Antibody (internal region) - Additional Information**

Gene ID 515

**Other Names**

ATP synthase F(0) complex subunit B1, mitochondrial, ATP synthase proton-transporting mitochondrial F(0) complex subunit B1, ATP synthase subunit b, ATPase subunit b, ATP5F1

**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**

ATP5F1 (aa142-153) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**ATP5F1 (aa142-153) Antibody (internal region) - Protein Information**

Name ATP5PB ([HGNC:840](#))

Synonyms ATP5F1

**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. Part of the complex F(0) domain and the peripheric stalk, which acts as a stator to hold the catalytic alpha(3)beta(3) subcomplex and subunit a/ATP6 static relative to the rotary elements.

#### Cellular Location

Mitochondrion. Mitochondrion inner membrane.

#### ATP5F1 (aa142-153) 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](#)

#### ATP5F1 (aa142-153) Antibody (internal region) - Images



AF4114a (0.03 µg/ml) staining of Human Heart lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

#### ATP5F1 (aa142-153) Antibody (internal region) - References

Energy transduction in ATP synthase. Elston T, Wang H, Oster G. Nature 1998 Jan 391 (6666): 510-3. PMID: 9461222