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ATP5B (aa15162) Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF4110a

Specification

ATP5B (aa15162) Antibody (internal region) - Product Information

Application	**WB**
Primary Accession	P06576
Other Accession	NP_001677.2, 506, 11947 (mouse), 171374 (rat)
Reactivity	**Human, Mouse, Rat, Pig**
Predicted	**Dog**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**56560**

ATP5B (aa15162) Antibody (internal region) - Additional Information

Gene ID 506

Other Names
ATP synthase subunit beta, mitochondrial, 3.6.3.14, ATP5B, ATPMB, ATPSB

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
ATP5B (aa15162) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

ATP5B (aa15162) Antibody (internal region) - Protein Information

Name ATP5F1B (HGNC:830)

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. Subunits alpha and beta form the catalytic core in F(1). Rotation of the central stalk against the surrounding alpha(3)beta(3) subunits leads to hydrolysis of ATP in three separate catalytic sites on the beta subunits.

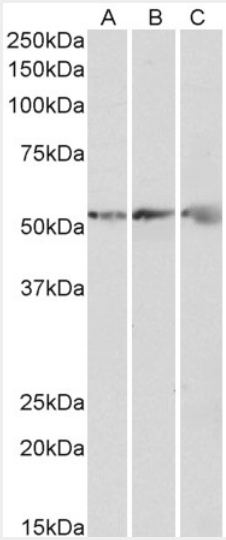
Cellular Location
Mitochondrion inner membrane; Peripheral membrane protein {ECO:0000250|UniProtKB:P00829}; Matrix side {ECO:0000250|UniProtKB:P00829, ECO:0000269|PubMed:25168243}

ATP5B (aa15162) 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 Cytomety
- Cell Culture

ATP5B (aa15162) Antibody (internal region) - Images



AF4110a (0.3 µg/ml) staining of Human (A), Mouse (B) and Rat (C) Heart lysates (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

ATP5B (aa15162) Antibody (internal region) - References

Ectopic ATP synthase facilitates transfer of HIV-1 from antigen-presenting cells to CD4(+) target cells. Yavlovich A, Viard M, Zhou M, Veenstra TD, Wang JM, Gong W, Heldman E, Blumenthal R, Raviv Y. Blood 2012 Aug 120 (6): 1246-53. PMID: 22753871