

Rabbit anti-Human, Mouse ATP synthase F (0) complex subunit B1 Polyclonal Antibody | anti-ATP5F1 antibody

Rabbit anti-human ATP synthase F(0) complex subunit B1, mitochondrial polyclonal Antibody(ATP5F1)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA119391	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot, ELISA

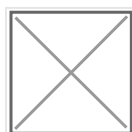
PRODUCT SYNONYMS

ATP synthase F (0) complex subunit B1; Polyclonal Antibody; Rabbit anti-human ATP synthase F(0) complex subunit B1; mitochondrial polyclonal Antibody(ATP5F1); ATP synthase proton-transporting mitochondrial F(0) complex subunit B1; ATP synthase subunit b; ATPase subunit b; ATP5F1; anti-ATP5F1 antibody

PRODUCT SPECIFICATIONS

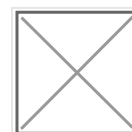
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Sequence Length	256
Applicable Applications for anti-ATP5F1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Conjugate	Non-conjugated
Immunogen	Recombinant human ATP synthase F(0) complex subunit B1, mitochondrial protein (1-245aa)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-162552 / sc-162553
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human colon cancer using AAA119391 at dilution 1:100



WB (Western Blot)

All lanes: ATP synthase F(0) complex subunit B1, mitochondrial antibody at 4ug/mL
Lane 1: mouse heart tissue
Lane 2: mouse skeletal muscle tissue
Secondary: Goat polyclonal to rabbit at 1/10000 dilution
Predicted band size: 29kDa
Observed band size: 29kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ATP5F1 antibody	Mitochondrial membrane ATP synthase (F1F0 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, F1 - containing the extramembraneous catalytic core, and F0 - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F1 is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F0 domain and the peripheric stalk, which acts as a stator to hold the catalytic alpha3beta3 subcomplex and subunit a/ATP6 static relative to the rotary elements.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21361565
NCBI GeneID	515
NCBI Accession #	NP_001679.2
NCBI GenBank Nucleotide #	NM_001688.4
UniProt Accession #	P24539; Q9BQ68; Q9BRU8
Molecular Weight	28,909 Da
NCBI Official Full Name	ATP synthase F(0) complex subunit B1, mitochondrial
NCBI Official Synonym Full Names	ATP synthase, H+ transporting, mitochondrial Fo complex subunit B1
NCBI Official Symbol	ATP5F1
NCBI Official Synonym Symbols	PIG47
NCBI Protein Information	ATP synthase F(0) complex subunit B1, mitochondrial
UniProt Protein Name	ATP synthase F(0) complex subunit B1, mitochondrial
UniProt Gene Name	ATP5F1
UniProt Synonym Gene Names	ATPase subunit b
UniProt Entry Name	AT5F1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/atp-synthase-f-0-complex-subunit-b1-antibody-immunohistochemistry-western-blot-elisa/119391>