

Rabbit anti-Human ATP synthase subunit beta Polyclonal Antibody | anti-ATP5B antibody

Rabbit anti-human ATP synthase subunit beta, mitochondrial polyclonal Antibody(ATP5B)

CATALOG # AAA119680	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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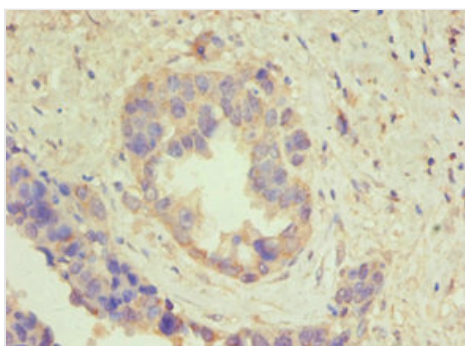
PRODUCT SYNONYMS

ATP synthase subunit beta; Polyclonal Antibody; Rabbit anti-human ATP synthase subunit beta; mitochondrial polyclonal Antibody(ATP5B); ATP5B; ATPMB; ATPSB; anti-ATP5B antibody

PRODUCT SPECIFICATIONS

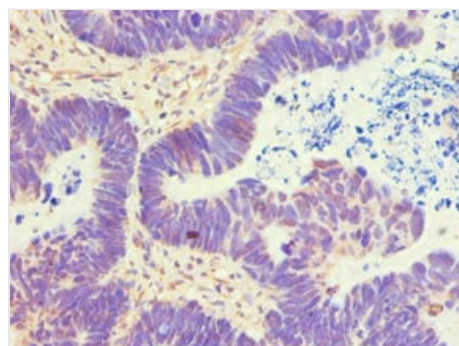
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Sequence Length	529
Applicable Applications for anti-ATP5B antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Conjugate	Non-conjugated
Immunogen	Recombinant human ATP synthase subunit beta, mitochondrial protein(230-529aa)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-16689 / sc-16690 / sc-33618
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



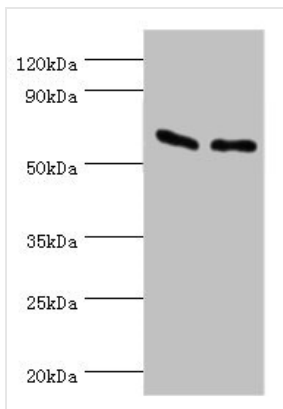
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human endometrial cancer using AAA119680 at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human ovarian cancer using AAA119680 at dilution 1:100



WB (Western Blot)

All lanes: ATP synthase subunit beta, mitochondrial antibody at 9ug/mL
 Lane 1: Hela whole cell lysate
 Lane 2: HepG2 whole cell lysate
 Secondary: Goat polyclonal to rabbit at 1/10000 dilution
 Predicted band size: 57kDa
 Observed band size: 57kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ATP5B 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. Subunits alpha and beta form the catalytic core in F1. Rotation of the central stalk against the surrounding alpha3beta3 subunits leads to hydrolysis of ATP in three separate catalytic sites on the beta subunits.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	32189394
NCBI GeneID	506
NCBI Accession #	NP_001677.2
NCBI GenBank Nucleotide #	NM_001686.3
UniProt Accession #	P06576; Q14283; A8K4X0
Molecular Weight	56,560 Da
NCBI Official Full Name	ATP synthase subunit beta, mitochondrial
NCBI Official Synonym Full Names	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, beta polypeptide
NCBI Official Symbol	ATP5B
NCBI Official Synonym Symbols	ATPMB; ATPSB; HEL-S-271
NCBI Protein Information	ATP synthase subunit beta, mitochondrial
UniProt Protein Name	ATP synthase subunit beta, mitochondrial
UniProt Gene Name	ATP5B
UniProt Synonym Gene Names	ATPMB; ATPSB
UniProt Entry Name	ATPB_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.

