

Rabbit anti-Human ATP synthase subunit O Polyclonal Antibody | anti-ATP5O antibody

Rabbit anti-human ATP synthase subunit O, mitochondrial polyclonal Antibody(ATP5O)

CATALOG # AAA118275	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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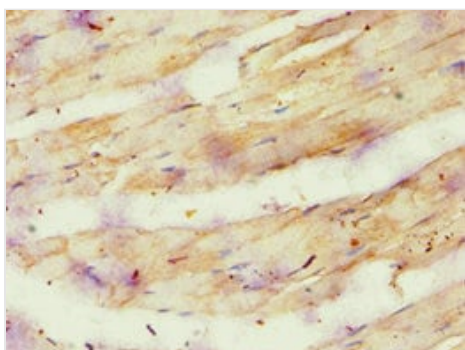
PRODUCT SYNONYMS

ATP synthase subunit O; Polyclonal Antibody; Rabbit anti-human ATP synthase subunit O; mitochondrial polyclonal Antibody(ATP5O); Oligomycin sensitivity conferral protein; OSCP; ATP5O; ATPO; anti-ATP5O antibody

PRODUCT SPECIFICATIONS

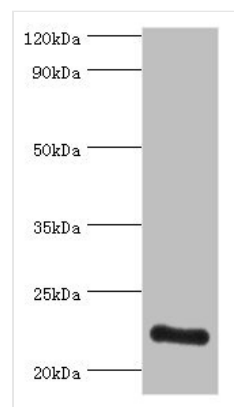
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Sequence Length	213
Applicable Applications for anti-ATP5O antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Conjugate	Non-conjugated
Immunogen	Recombinant human ATP synthase subunit O, mitochondrial protein (24-213aa)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-74786 / sc-74789 / sc-98707
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 skeletal muscle using AAA118275 at dilution 1:100



WB (Western Blot)

All lanes: ATP synthase subunit O, mitochondrial antibody at 3ug/ml+HepG2 whole cell lysate
SecondaryGoat polyclonal to rabbit at 1/10000 dilution
Predicted band size: 23kDa
Observed band size: 23kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ATP5O 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 #	4502303
NCBI GeneID	539
NCBI Accession #	NP_001688.1
NCBI GenBank Nucleotide #	NM_001697.2
UniProt Accession #	P48047; Q5U042; Q6IBI2; B2R4E2
Molecular Weight	23,277 Da
NCBI Official Full Name	ATP synthase subunit O, mitochondrial
NCBI Official Synonym Full Names	ATP synthase, H+ transporting, mitochondrial F1 complex, O subunit
NCBI Official Symbol	ATP5O
NCBI Official Synonym Symbols	ATPO; OSCP; HMC08D05
NCBI Protein Information	ATP synthase subunit O, mitochondrial
UniProt Protein Name	ATP synthase subunit O, mitochondrial
UniProt Gene Name	ATP5O
UniProt Synonym Gene Names	ATPO; OSCP
UniProt Entry Name	ATPO_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://www.aaabiotech.com/polyclonal/atp-synthase-subunit-o-antibody-immunohistochemistry-western-blot-elisa/118275>