

Anti-ATPO antibody



Description	Unconjugated Rabbit polyclonal to ATPO
Model	STJ190574
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human ATPO protein.
Immunogen Region	1-80aa
Gene ID	539
Gene Symbol	ATP5O
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	ATPO Polyclonal Antibody detects endogenous levels of protein.
Purification	ATPO antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	ATP synthase subunit O, mitochondrial Oligomycin sensitivity conferral protein OSCP
Molecular Weight	23 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:850OMIM:600828
Alternative Names	ATP synthase subunit O, mitochondrial Oligomycin sensitivity conferral protein OSCP
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 peripheral 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 Localization	Mitochondrion Mitochondrion inner membrane
Post-translational Modifications	Acetylation at Lys-162 decreases ATP production. Deacetylated by SIRT3.