

ATP5L2 rabbit pAb

Cat No.:ES5512

For research use only

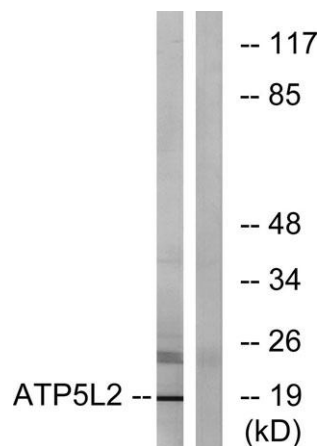
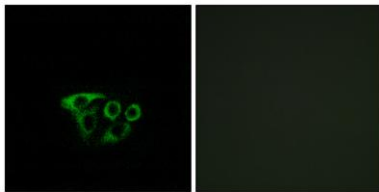
Overview

Product Name	ATP5L2 rabbit pAb
Host species	Rabbit
Applications	WB;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human ATP5L2. AA range:51-100
Specificity	ATP5L2 Polyclonal Antibody detects endogenous levels of ATP5L2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	ATP synthase subunit g 2 mitochondrial
Gene Name	ATP5L2
Cellular localization	Mitochondrion membrane .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	20kD
Human Gene ID	267020
Human Swiss-Prot Number	Q7Z4Y8
Alternative Names	ATP5L2; ATP5K2; ATP synthase subunit g 2; mitochondrial; ATPase subunit g 2
Background	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. Minor subunit located with subunit a in the membrane.,similarity:Belongs to the ATPase g subunit family.,subunit:F-type ATPases have 2 components, CF(1) - the catalytic core - and CF(0) - the membrane proton channel. CF(0) seems to have nine subunits: a, b, c, d, e, f, g, F6 and 8 (or A6L).,

Immunofluorescence analysis of A549 cells, using ATP5L2 Antibody. The picture on the right is blocked with the synthesized peptide.

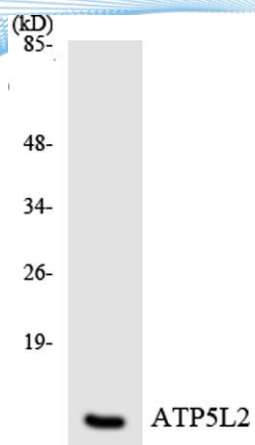


Western blot analysis of lysates from A549 cells, using ATP5L2 Antibody. The lane on the right is blocked with the synthesized peptide.





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Western blot analysis of the lysates from HeLa cells using ATP5L2 antibody.



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