ELK Biotechnology

ATP5C1 rabbit pAb

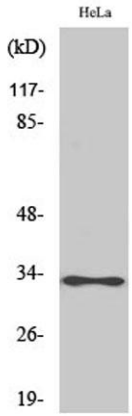
Cat No.:ES1727

For research use only

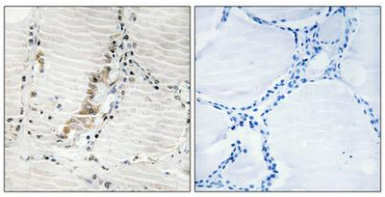
Overview

Product Name	ATP5C1 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human ATP5C1. AA range:131-180
Specificity	ATP5C1 Polyclonal Antibody detects endogenous levels of ATP5C1 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 gamma mitochondrial
Gene Name	ATP5C1
Cellular localization	Mitochondrion inner membrane ; Peripheral membrane protein ; Matrix side .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	33kD
Human Gene ID	509
Human Swiss-Prot Number	P36542
Alternative Names	ATP5C1; ATP5C; ATP5CL1; ATP synthase subunit gamma; mitochondrial; F-ATPase gamma subunit
Background	This gene encodes a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative

phosphorylation. ATP synthase is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, comprising the proton channel. The catalytic portion of mitochondrial ATP synthase consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and a single representative of the other 3. The proton channel consists of three main subunits (a, b, c). This gene encodes the gamma subunit of the catalytic core. Alternatively spliced transcript variants encoding different isoforms have been identified. This gene also has a pseudogene on



Western Blot analysis of various cells using ATP5C1 Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human thyroid gland. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absor

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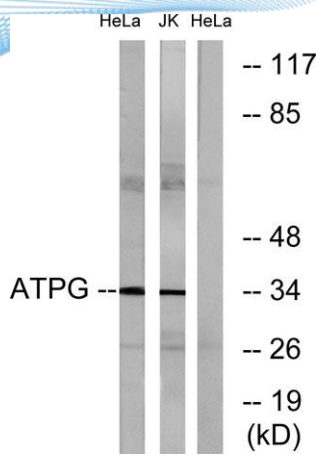

Western blot analysis of lysates from HeLa cells and Jurkat cells, using ATPG Antibody. The lane on the right is blocked with the synthesized peptide.

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