

ATP5C1 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP00734
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human ATP5C1. AA range:131-180
Mol wt	32996
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	ATP5C1 Antibody
Synonyms	ATP5C1; ATP5C; ATP5CL1; ATP synthase subunit gamma; mitochondrial; F-ATPase gamma subunit

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

ATP5C1 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, F_o, 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 chromosome 14.

Recommended Dilution

WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

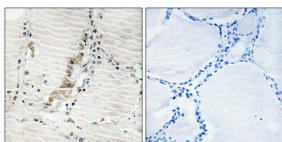
ELISA: 1: 40000

Not yet tested in other applications.

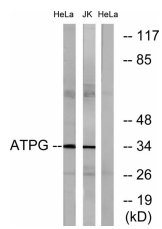
Images



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. Negative ctrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



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.

Storage

-20°C for one year

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