

ATP5J2 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP00742
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human ATP5J2. AA range:21-70
Mol wt	6295
Species reactivity	Human
Clonality	Polyclonal
Recommended application	IHC-p, ELISA
Concentration	1 mg/ml
Full name	ATP5J2 Antibody
Synonyms	ATP synthase f chain mitochondrial; ATP5JL; ATPK

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

Background

Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. It is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, which comprises the proton channel. The catalytic portion of mitochondrial ATP synthase consists of five different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and single representatives of the gamma, delta, and epsilon subunits. The proton channel likely has nine subunits (a, b, c, d, e, f, g, F6 and 8). ATP5J2 (ATP synthase, H⁺ transporting, mitochondrial Fo complex subunit F2) encodes the f subunit of the Fo complex. Alternatively spliced transcript variants encoding different isoforms have been identified for ATP5J2. ATP5J2 has multiple pseudogenes. Naturally occurring read-through transcription also exists between ATP5J2 and the downstream pentatricopeptide repeat domain 1 (PTCD1) gene.

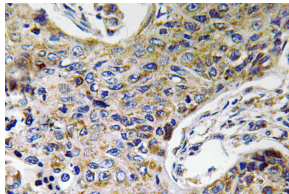
Recommended Dilution

IHC: 1: 100 - 1: 300

ELISA: 1: 5000

Not yet tested in other applications.

Images



Immunohistochemistry analysis of ATP5J2 antibody in paraffin-embedded human lung carcinoma tissue.

Storage

-20°C for one year