

## ATP5F1 Polyclonal Antibody

### Description

Product type	Primary Antibody
Code	BT-AP00736
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthesized peptide derived from ATP5F1 . at AA range: 130-210
Mol wt	28909
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	ATP5F1 Antibody
Synonyms	ATP5F1; ATP synthase subunit b; mitochondrial; ATPase subunit b

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

### Background

ATP5F1 (ATP synthase, H<sup>+</sup> transporting, mitochondrial Fo complex subunit B1) 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 seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). ATP5F1 encodes the b subunit of the proton channel.

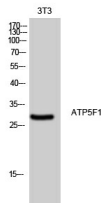
### Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 10000

Not yet tested in other applications.

### Images



Western Blot analysis of 3T3 cells using ATP5F1 Polyclonal Antibody diluted at 1:500

### Storage

-20°C for one year