A3749
Leader in Biomolecular Solutions for Life Science

www.abclonal.com

ATP5F1 Rabbit pAb

Catalog No.: A3749

Basic Information

Observed MW
28kDa

Calculated MW
29kDa

Category
Polyclonal Antibody

Applications
WB

Cross-Reactivity
Human,Mouse,Rat

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 seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene encodes the b subunit of the proton channel.

Recommended Dilutions

WB	1:500 - 1:1000

Immunogen Information

Gene ID
515

Swiss Prot
P24539

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
PIG47; ATP5F1

Contact

www.abclonal.com

Product Information

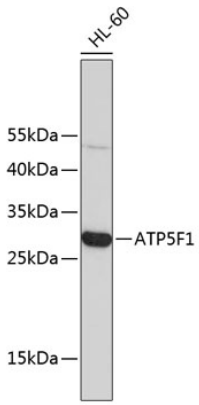
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at 4℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,pH7.3.

Validation Data



Western blot analysis of lysates from HL-60 cells, using ATP5F1 Rabbit pAb (A3749).
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.