ATP5F1 Rabbit Polyclonal Antibody

CAB7645

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

26kDa

Calculated MW:

28kDa

Applications:

WB IF

Reactivity:

Human, Mouse

Antibody Information

Recommended dilutions:
WB 1:500 - 1:2000 IF 1:50 - 1:200

Source:
Rabbit

Isotype:
IgG

Purification:
Affinity purification

Protein 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.

Immunogen information

Gene ID:
515

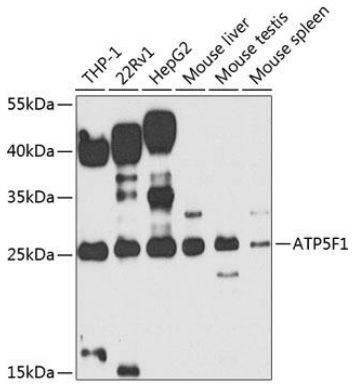
Uniprot
P24539

Synonyms:
ATP5F1; PIG47

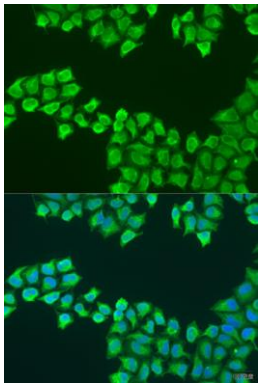
Immunogen:
Recombinant fusion protein containing a sequence corresponding to amino acids 1-245 of human ATP5F1 (NP_001679.2).

Storage:
Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Product Images



Western blot analysis of extracts of various cell lines, using ATP5F1 antibody (CAB7645) at 1:1000 dilution._Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution._Lysates/proteins: 25ug per lane._Blocking buffer: 3% nonfat dry milk in TBST._Detection: ECL Enhanced Kit (CABM00021)._Exposure time: 60s.



Immunofluorescence analysis of U2OS cells using ATP5F1 antibody (CAB7645) at dilution of 1:100. Blue: DAPI for nuclear staining.

