

ATP5J Rabbit Polyclonal Antibody



CAB3751

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

13kDa

Calculated MW:

12kDa/13kDa

Applications:

WB IHC IF

Reactivity:

Human, Mouse, Rat

Protein 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 F1 complex consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled in a ratio of 3 alpha, 3 beta, and a single representative of the other 3. The Fo complex has nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene encodes the F6 subunit of the Fo complex. The F6 subunit is required for F1 and Fo interactions. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. This gene has 1 or more pseudogenes.

Immunogen information

Gene ID:

522

Uniprot

P18859

Antibody Information

Recommended dilutions:

WB 1:200 - 1:2000 IHC 1:50
- 1:200 IF 1:50 - 1:200

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Synonyms:

ATP5J; ATP5; ATP5A; ATPM; CF6; F6

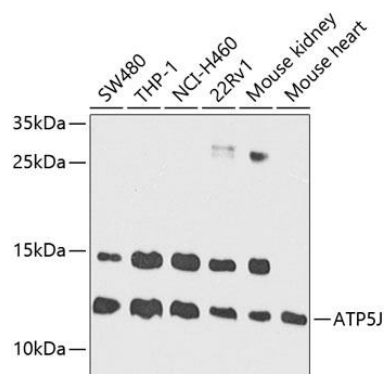
Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 1-108 of human ATP5J (NP_001676.2).

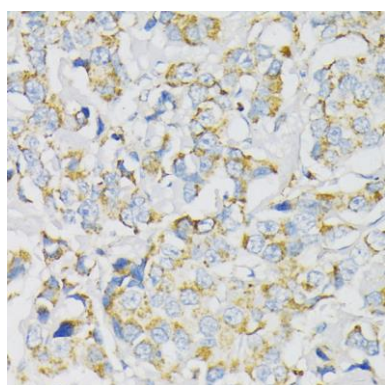
Storage:

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

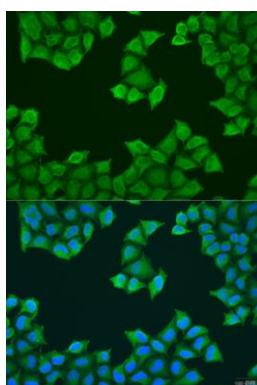
Product Images



Western blot analysis of extracts of various cell lines, using ATP5J antibody (CAB3751) 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 Basic Kit (CABM00020). Exposure time: 90s.



Immunohistochemistry of paraffin-embedded human breast cancer using ATP5J antibody (CAB3751) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of U2OS cells using ATP5J antibody (CAB3751) at dilution of 1:100. Blue: DAPI for nuclear staining.