ATP5J Rabbit Polyclonal Antibody

Catalog No: #54786

Package Size: #54786-1 50ul #54786-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

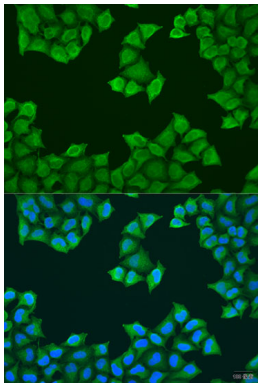
Description

Product Name	ATP5J Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human ATP5J (NP_001676.2).
Other Names	ATP5J;ATP5;ATP5A;ATPM;CF6;F6
Accession No.	Swiss Prot:P18859GeneID:522
Uniprot	P18859
Calculated MW	12kDa/13kDa
SDS-PAGE MW	13kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

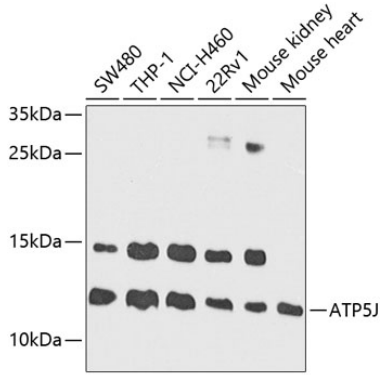
Application Details

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

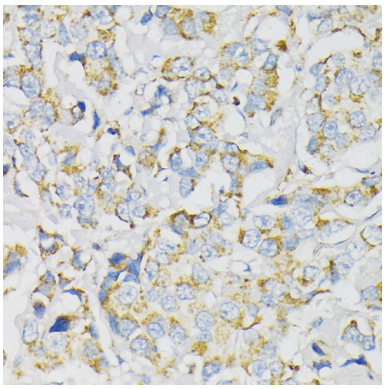
Images



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



Western blot analysis of extracts of various cell lines, using ATP5J at 1:1000 dilution.



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

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.

Note: This product is for in vitro research use only