

Rabbit anti-Human, Mouse ATP5G2 Polyclonal Antibody | anti-ATP5G2 antibody

ATP5G2 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA281926	Rabbit	Human, Mouse	Immunofluorescence, Western Blot

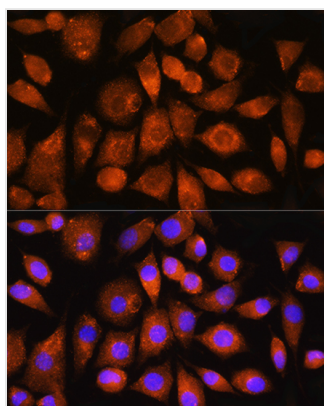
PRODUCT SYNONYMS

ATP5G2; Polyclonal Antibody; ATP5G2 Rabbit pAb; ATP5A; anti-ATP5G2 antibody

PRODUCT SPECIFICATIONS

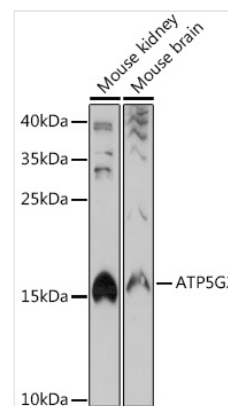
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-ATP5G2 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthetic peptide of human ATP5G2.
Positive Samples	Mouse kidney, Mouse brain
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of L929 cells using ATP5G2 Rabbit pAb at dilution of 1:100. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using ATP5G2 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-ATP5G2 antibody	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 single representatives of the gamma, delta, and epsilon subunits. The proton channel likely has nine subunits (a, b, c, d, e, f, g, F6 and 8). There are three separate genes which encode subunit c of the proton channel and they specify precursors with different import sequences but identical mature proteins. The protein encoded by this gene is one of three precursors of subunit c. This gene has multiple pseudogenes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	50593533
NCBI GeneID	517
NCBI Accession #	NP_001002031.1
NCBI GenBank Nucleotide #	NM_001002031.2
UniProt Accession #	Q06055; B3KQQ6
Molecular Weight	14,637 Da
NCBI Official Full Name	ATP synthase lipid-binding protein, mitochondrial isoform a
NCBI Official Synonym Full Names	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit C2 (subunit 9)
NCBI Official Symbol	ATP5G2
NCBI Official Synonym Symbols	ATP5A
NCBI Protein Information	ATP synthase lipid-binding protein, mitochondrial; ATPase protein 9; ATPase subunit C; ATP synthase c subunit; ATP synthase proteolipid P2; mitochondrial ATP synthase, subunit C (subunit 9), isoform 2; ATP synthase, H+ transporting, mitochondrial FO compl
UniProt Protein Name	ATP synthase lipid-binding protein, mitochondrial
UniProt Gene Name	ATP5G2
UniProt Entry Name	AT5G2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/atp5g2-antibody-immunofluorescence-western-blot-elisa/281926>