

Datasheet for ABIN656390

anti-ATP5J antibody (AA 28-56)**4** Images[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	ATP5J
Binding Specificity:	AA 28-56
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP5J antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	This ATP5J antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 28-56 amino acids from the Central region of human ATP5J.
Clone:	RB31956
Isotype:	IgG
Predicted Reactivity:	Pr
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	ATP5J
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Target Details

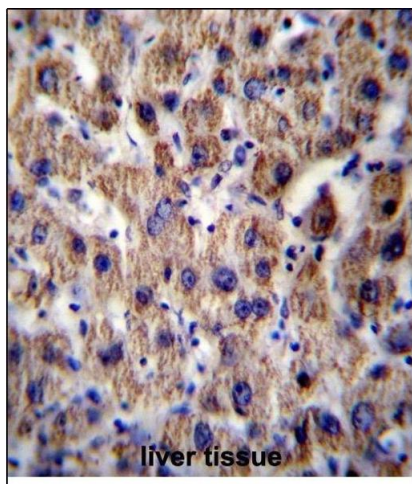
Alternative Name:	ATP5J (ATP5J Products)
Background:	<p>Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. It is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, 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 seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene encodes the F6 subunit of the Fo complex, required for F1 and Fo interactions. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. A pseudogene exists on chromosome Yp11.</p>
Molecular Weight:	12588
Gene ID:	522
NCBI Accession:	NP_001003696 , NP_001003697 , NP_001003701 , NP_001003703 , NP_001676
UniProt:	P18859
Pathways:	Proton Transport , Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

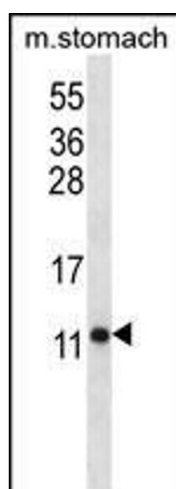
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	ATP5J Antibody (Center) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.
Expiry Date:	6 months



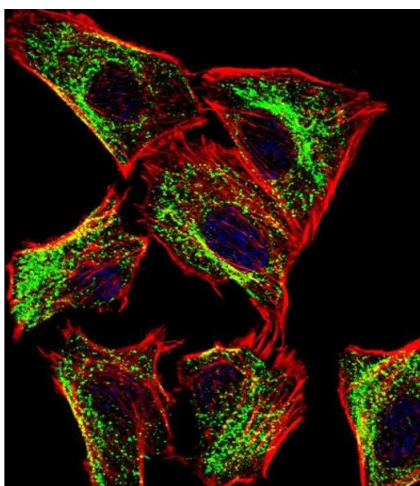
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. ATP5J Antibody (Center) (ABIN656390 and ABIN2845684) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of ATP5J Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. ATP5J Antibody (Center) (ABIN656390 and ABIN2845684) western blot analysis in mouse stomach tissue lysates (35 µg/lane). This demonstrates the ATP5J antibody detected the ATP5J protein (arrow).



Immunofluorescence

Image 3. Fluorescent confocal image of cell stained with ATP5J Antibody (Center) (ABIN656390 and ABIN2845684). cells were fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.1 %, 10 min), then incubated with ATP5J primary antibody (1:25, 1 h at 37 °C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 °C). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/mL, 1 h at 37 °C). Nuclei were counterstained with DAPI (blue) (10 µg/mL, 10 min). ATP5J immunoreactivity is localized to Mitochondria significantly.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN656390.