



Datasheet for ABIN654144
anti-ATP5H antibody (AA 68-97)



[Go to Product page](#)

3 Images

Overview

Quantity:	400 µL
Target:	ATP5H
Binding Specificity:	AA 68-97
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP5H antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This ATP5H antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 68-97 amino acids from the Central region of human ATP5H.
Clone:	RB23854
Isotype:	Ig Fraction
Predicted Reactivity:	B
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	ATP5H
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Target Details

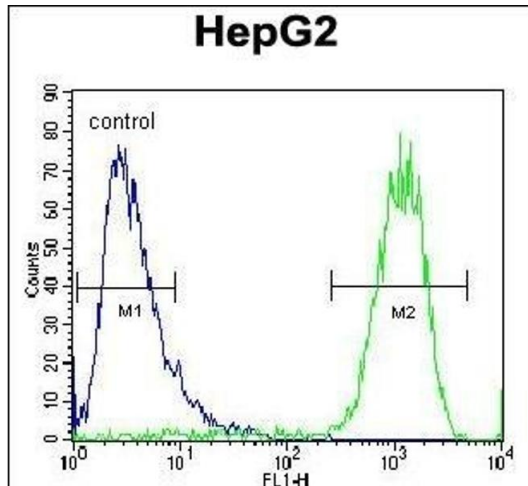
Alternative Name:	ATP5H (ATP5H Products)
Background:	Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. It is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and 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 seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene encodes the d subunit of the Fo complex. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. In addition, three pseudogenes are located on chromosomes 9, 12 and 15.
Molecular Weight:	18491
Gene ID:	10476
NCBI Accession:	NP_001003785 , NP_006347
UniProt:	O75947
Pathways:	Proton Transport , Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

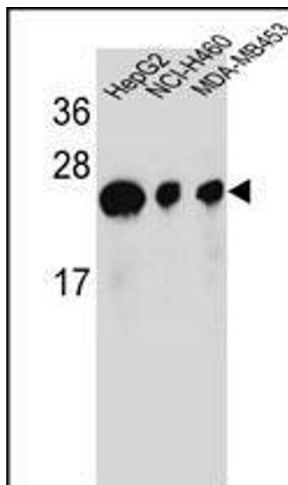
Handling

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:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



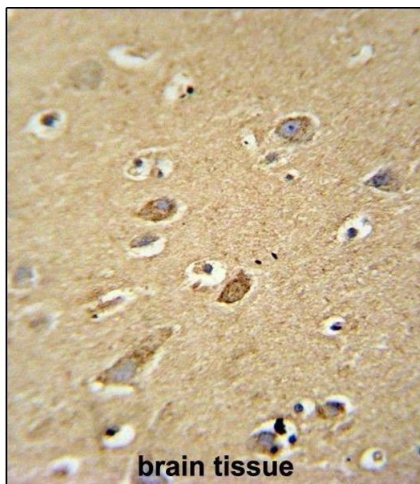
Flow Cytometry

Image 1. ATP5H Antibody (Center) (ABIN654144 and ABIN2844011) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. ATP5H Antibody (Center) (ABIN654144 and ABIN2844011) western blot analysis in HepG2, NCI-, MDA-M cell line lysates (35 µg/lane). This demonstrates the ATP5H antibody detected the ATP5H protein (arrow).



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. ATP5H antibody (Center) (ABIN654144 and ABIN2844011) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ATP5H antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.