Datasheet for ABIN6137333

anti-ATP5H antibody (AA 1-161)

4 Images

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Overview

Quantity:	100 µL
Target:	ATP5H
Binding Specificity:	AA 1-161
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP5H antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-161 of human ATP5H (NP_006347.1).
Sequence:	MAGRKLALKT IDWVAFAEII PQNQKAIASS LKSWNETLTS RLAALPENPP AIDWAYYKAN VAKAGLVDDF EKKFNALKVP VPEDKYTAQV DAEEKEDVKS CAEWVSLSKA RIVEYEKEME KMKNLIPFDQ MTIEDLNEAF PETKLDKKKY PYWPHQPIEN L
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	ATP5H
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.,ATP5H,ATPQ,Cancer,Signal Transduction,Endocrine & Metabolism,Mitochondrial metabolism,Mitochondrial markers,Oxidative phosphorylation,Neuroscience,Neurodegenerative Diseases,ATP5H
Molecular Weight:	15 kDa/18 kDa
Gene ID:	10476
UniProt:	O75947
Pathways:	Proton Transport, Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

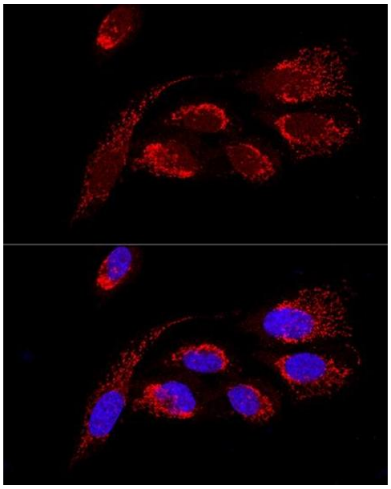
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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:	-20 °C

Handling

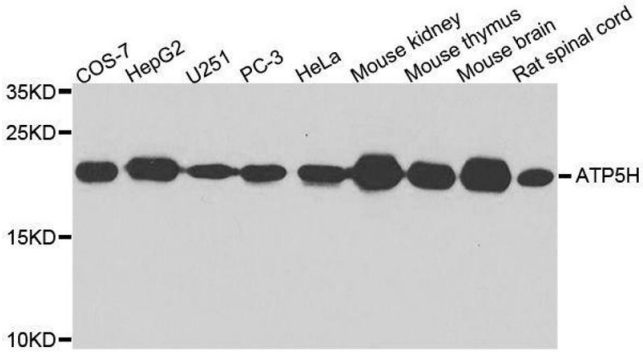
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



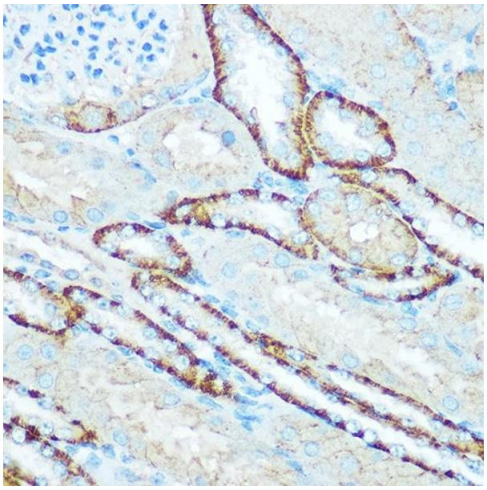
Immunofluorescence

Image 1. Confocal immunofluorescence analysis of U2OS cells using H Polyclonal Antibody (ABIN6131125, ABIN6137333, ABIN6137334 and ABIN6220624) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using ATP5H antibody.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded mouse kidney using H Rabbit pAb (ABIN6131125, ABIN6137333, ABIN6137334 and ABIN6220624) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Please check the product details page for more images. Overall 4 images are available for ABIN6137333.