Datasheet for ABIN2784804

anti-ATP5H antibody (C-Term)

2 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	ATP5H
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Rabbit, Sheep, Zebrafish (Danio rerio), Cow, Dog, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP5H antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human ATP5H
Sequence:	CAEWVSLSKA RIVEYEKEME KMKNLIPFDQ MTIEDLNEAF PETKLDKKKY
Predicted Reactivity:	Cow: 100%, Dog: 93%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 93%, Rabbit: 100%, Rat: 93%, Sheep: 86%, Zebrafish: 79%
Characteristics:	This is a rabbit polyclonal antibody against ATP5H. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	ATP5H
Alternative Name:	ATP5H (ATP5H Products)

Target Details

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. Alias Symbols: ATP5JD, ATPQ Protein Interaction Partner: MDM2, FBXW4, vpu, UBL4A, NDUFA12, STOML2, UQCRQ, ATP5O, APP, UBC, ICT1, GET4, Protein Size: 161
Molecular Weight:	18 kDa
Gene ID:	10476
NCBI Accession:	NM_006356, NP_006347
UniProt:	O75947
Pathways:	Proton Transport, Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 161 AA
Restrictions:	For Research Use only

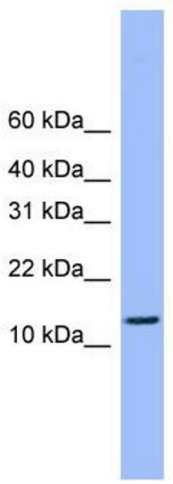
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

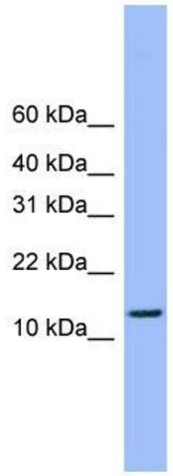


Western Blotting

Image 1. WB Suggested Anti-ATP5H Antibody Titration: 0.2-1 ug/ml

ELISA Titer: 1:62500

Positive Control: MCF7 cell lysate



Western Blotting

Image 2. WB Suggested Anti-ATP5H

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:.2500

Positive Control: MCF7 cell lysate

ATP5H is supported by BioGPS gene expression data to be expressed in MCF7