

ATP5H Polyclonal Antibody | anti-ATP5H antibody

Anti-ATP5H Antibody

CATALOG # AAA46246	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunocytochemistry, Immunohistochemistry, Western Blot
------------------------------	--	--

PRODUCT SYNONYMS

ATP5H; Polyclonal Antibody; Anti-ATP5H Antibody; ATP synthase subunit d; ATP synthase D chain mitochondrial; ATP synthase H⁺ transporting mitochondrial F1F0 subunit; ATP synthase H⁺ transporting mitochondrial F1F0 subunit d; mitochondrial; ATP synthase; H⁺ transporting; mitochondrial F0 complex; subunit d; ATP5H_HUMAN; ATP5JD; ATPase subunit d; ATPQ; My032 protein; mitochondrial Fo complex; anti-ATP5H antibody

PRODUCT SPECIFICATIONS

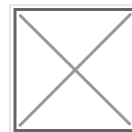
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	137
Applicable Applications for anti-ATP5H antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human ATP5H recombinant protein (Position: A2-L161). Human ATP5H shares 81% and 78% amino acid (aa) sequence identity with mouse and rat ATP5H, respectively.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



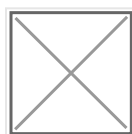
ICC (Immunocytochemistry)

Anti-ATP5H Picoband antibody, AAA46246, ICCICC: A549 Cell



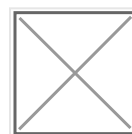
IHC (Immunohistochemistry)

Anti-ATP5H Picoband antibody, AAA46246, IHC(P)IHC(P): Human Mammary Cancer Tissue



IHC (Immunohistochemistry)

Anti-ATP5H Picoband antibody, AAA46246, IHC(P)IHC(P): Rat Intestine Tissue



IHC (Immunohistochemistry)

Anti-ATP5H Picoband antibody, AAA46246, IHC(P)IHC(P): Mouse Intestine Tissue



WB (Western Blot)

Anti- ATP5H Picoband antibody, AAA46246, Western blottingAll lanes: Anti ATP5H (AAA46246) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: Mouse Brain Tissue Lysate at 50ugLane 3: Human Placenta Tissue Lysate at 50ugLane 4: HELA Whole Cell Lysate at 40ugPredicted bind size: 22KDObserved bind size: 22KD

ADDITIONAL INFORMATION

Related Product Information for anti-ATP5H antibody	Description: Rabbit IgG polyclonal antibody for ATP synthase subunit d, mitochondrial(ATP5H) detection. Tested with WB, IHC-P, ICC in Human;Mouse;Rat. Background: ATP5H is also known as ATPQ. 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.
References	1. Boada M, et al. ATP5H/KCTD2 locus is associated with Alzheimer's disease risk. Mol Psychiatry, 2014 Jun. 2. Kim DW, et al. Identification of mitochondrial F(1)F(0)-ATP synthase interacting with galectin-3 in colon cancer cells. Cancer Sci, 2008 Oct.

NCBI AND UNIPROT INFORMATION

NCBI GI #	51479152
NCBI GeneID	10476
NCBI Accession #	NP_001003785.1
NCBI GenBank Nucleotide #	NM_001003785.1
UniProt Accession #	O75947; Q9H3J4; B2R5L6
Molecular Weight	15,773 Da
NCBI Official Full Name	ATP synthase subunit d, mitochondrial isoform b
NCBI Official Synonym Full Names	ATP synthase, H+ transporting, mitochondrial Fo complex subunit D
NCBI Official Symbol	ATP5H
NCBI Official Synonym Symbols	ATPQ
NCBI Protein Information	ATP synthase subunit d, mitochondrial
UniProt Protein Name	ATP synthase subunit d, mitochondrial
UniProt Gene Name	ATP5H
UniProt Synonym Gene Names	ATPase subunit d
UniProt Entry Name	ATP5H_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.