

Rabbit anti-Human ATP5D Polyclonal Antibody | anti-ATP5F1D antibody

Anti-ATP5D Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255779	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

ATP5D; Polyclonal Antibody; Anti-ATP5D Antibody; Rabbit Polyclonal; ATP5D Antibody; Rabbit PAb; Antigen Affinity Purified; ATP synthase; H+ transporting; mitochondrial F1 complex; delta subunit; anti-ATP5F1D antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human ATP5D
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-ATP5F1D antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Human ATP5D protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human ATP5D (rh ATP5D). ATP5D specific IgG was purified by Human ATP5D affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

ATP5D was immunoprecipitated using: Lane A: 0.5 mg HepG2 Whole Cell Lysate; Lane B: 0.5 mg Raji Whole Cell Lysate; Lane C: 0.5 mg A549 Whole Cell Lysate; 2 uL anti-ATP5D rabbit polyclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-ATP5D rabbit polyclonal antibody, at 1:500 dilution. Secondary antibody: DyLight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 13 kDa. Observed band size: 13 kDa.

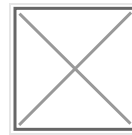


WB (Western Blot)

Anti-ATP5D rabbit polyclonal antibody at 1:500 dilution. Lane A: HEPG2 Whole Cell Lysate; Lane B: Raji Whole Cell Lysate; Lane C: MOLT-4 Whole Cell Lysate; Lane D: A549 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG H&L (DyLight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 18 kDa. Observed band size: 14 kDa. (We are unsure as to the identity of these extra bands.)

**IHC (Immunohistochemistry)**

Immunochemical staining of human ATP5D in human hepatoma with rabbit polyclonal antibody (1:5000, formalin-fixed paraffin embedded sections).

**IHC (Immunohistochemistry)**

Immunochemical staining of human ATP5D in human lung cancer with rabbit polyclonal antibody (1:5000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-ATP5F1D antibody	ATP5D is a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. ATP synthase consists of two linked multi-subunit complexes: the soluble catalytic core, F ₁ , and the membrane-spanning component, F _o , comprising the proton channel. The catalytic portion of mitochondrial ATP synthase consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and a single representative of the other 3. The proton channel consists of three main subunits (a, b, c). ATP5D gene encodes the delta subunit of the catalytic core.
References	Jordan EM. et al., 1992, Biochim Biophys Acta 1130 (1): 123-6. Yoshida M. et al., 2001, Nat Rev Mol Cell Biol. 2 (9): 669-77. Hochstrasser DF. et al., 1993, Electrophoresis. 13 (12): 992-1001.

NCBI AND UNIPROT INFORMATION

NCBI GI #	50345991
NCBI GeneID	513
NCBI Accession #	NP_001001975.1
NCBI GenBank Nucleotide #	NM_001001975.1
UniProt Accession #	P30049; Q6FG90; D6W5Y3
Molecular Weight	17,490 Da
NCBI Official Full Name	ATP synthase subunit delta, mitochondrial
NCBI Official Synonym Full Names	ATP synthase, H ⁺ transporting, mitochondrial F ₁ complex, delta subunit
NCBI Official Symbol	ATP5D
NCBI Protein Information	ATP synthase subunit delta, mitochondrial; F-ATPase delta subunit; mitochondrial ATP synthase, delta subunit; mitochondrial ATP synthase complex delta-subunit precursor
UniProt Protein Name	ATP synthase subunit delta, mitochondrial
UniProt Gene Name	ATP5D
UniProt Entry Name	ATPD_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/atp5d-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/255779>