ELK Biotechnology

ATP5H rabbit pAb

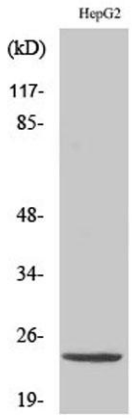
Cat No.:ES1728

For research use only

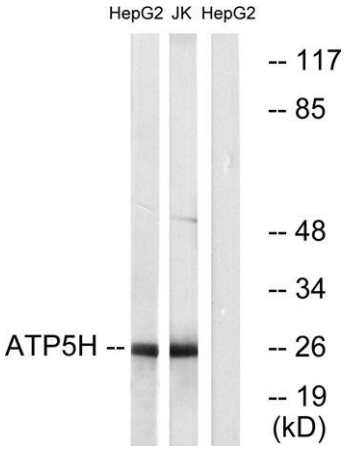
Overview

Product Name	ATP5H rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human ATP5H. AA range:111-160
Specificity	ATP5H Polyclonal Antibody detects endogenous levels of ATP5H protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	ATP synthase subunit d mitochondrial
Gene Name	ATP5H
Cellular localization	Mitochondrion. Mitochondrion inner membrane.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	26kD
Human Gene ID	10476
Human Swiss-Prot Number	O75947
Alternative Names	ATP5H; My032; ATP synthase subunit d; mitochondrial; ATPase subunit d
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. [provided by RefSeq, Jun 2010],



Western Blot analysis of various cells using ATP5H Polyclonal Antibody diluted at 1:2000



Western blot analysis of lysates from HepG2 and Jurkat cells, using ATP5H Antibody. The lane on the right is blocked with the synthesized peptide.

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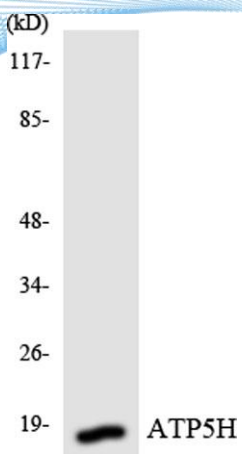
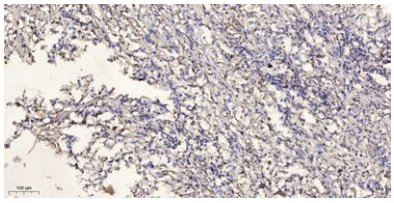


Western blot analysis of the lysates from HepG2 cells using ATP5H antibody.



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

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