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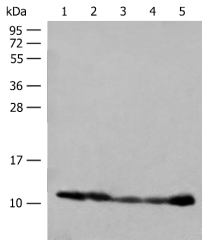
ATP5I Polyclonal Antibody

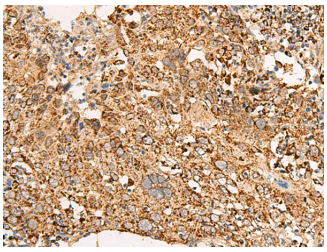
Catalog No.	E-AB-18027	**Reactivity**	H,M,R
Storage	Store at -20℃. Avoid freeze / thaw cycles.	**Host**	Rabbit
Applications	WB,IHC,ELISA	**Isotype**	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

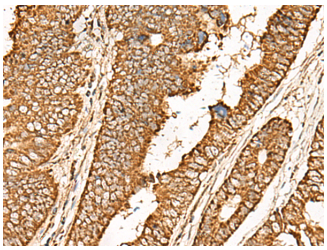
Images



Western blot analysis of 293T cell PC-3 cell Human liver tissue lysates using ATP5I Polyclonal Antibody at dilution of 1:400



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using ATP5I Polyclonal Antibody at dilution of 1:65(×200)



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using ATP5I Polyclonal Antibody at dilution of 1:65(×200)

Immunogen Information

Immunogen	Synthetic peptide of human ATP5I
Gene Accession	NP009031
Swissprot	P56385
Synonyms	ATP 5I,ATP 5K,ATP5I,ATP5I,ATP5K,ATPase subunit e,MGC12532,mitochondrial

Product Information

Calculated MW	8 kDa
Observed MW	Refer to figures
Buffer	PBS with 0.05% NaN3 and 40% Glycerol,pH7.4
Purify	Antigen affinity purification
Dilution	WB 1:500-1:2000, IHC 1:50-1:300, ELISA 1:5000-1:10000

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 e subunit of the Fo complex. Alternative splicing results in multiple transcript variants.ATP5I (ATP Synthase, H+ Transporting, Mitochondrial Fo Complex Subunit E) is a Protein Coding gene. Among its related pathways are Respiratory electron transport, ATP synthesis by chemiosmotic coupling, and heat production by uncoupling proteins. and purine nucleotides de novo biosynthesis. GO annotations related to this gene include ATPase activity and hydrogen ion transmembrane transporter activity.