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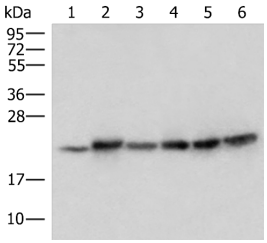
ATP5PD Polyclonal Antibody

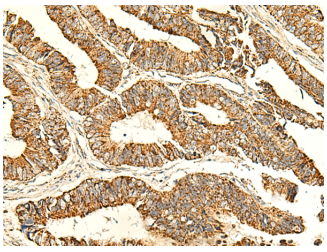
Catalog No.	E-AB-18971	**Reactivity**	H,M
Storage	Store at -20℃. Avoid freeze / thaw cycles.	**Host**	Rabbit
Applications	WB,IHC,ELISA	**Isotype**	IgG

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

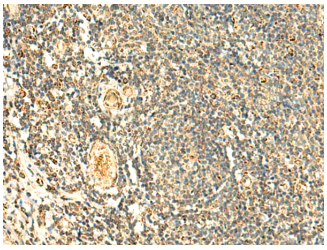
Images



Western blot analysis of Mouse skeletal muscle tissue Mouse kidney tissue PC-3 Jurkat HepG2 and Hela cell lysates using ATP5PD Polyclonal Antibody at dilution of 1:300



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using ATP5PD Polyclonal Antibody at dilution of 1:50(×200)



Immunohistochemistry of paraffin-embedded Human tonsil tissue using ATP5PD Polyclonal Antibody at dilution of 1:50(×200)

Immunogen Information

Immunogen	Fusion protein of human ATP5PD
Gene Accession	BC032245
Swissprot	O75947
Synonyms	ATP synthase D chain mitochondrial,subunit d,ATP5H,ATP5JD,ATPase subunit d,ATPQ

Product Information

Calculated MW	18 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 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.