

产品名称: ATP5I Rabbit Polyclonal Antibody
产品货号: APRab07335



产品概述 (Summary)

产品名称 (Production Name)	ATP5I Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	ATP5I
别名 (Alternative Names)	ATP5I; ATP5K; ATP synthase subunit e; mitochondrial; ATPase subunit e
基因 ID (Gene ID)	521.0
蛋白 ID (SwissProt ID)	P56385.The antiserum was produced against synthesized peptide derived from human ATP5I. AA range:20-69

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	8kDa

研究背景 (Background)

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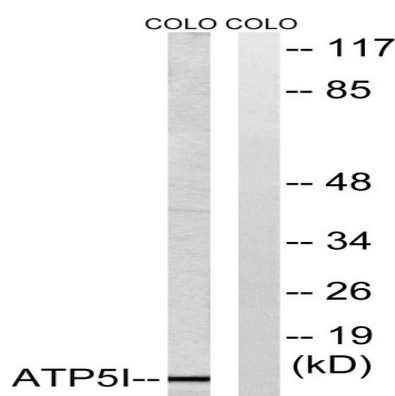


Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. It is composed of two linked multi-subunit complexes: the soluble catalytic core, F₁, and the membrane-spanning component, F_o, which comprises 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 F_o seems to have nine subunits (a, b, c, d, e, f, g, F₆ and 8). This gene encodes the e subunit of the F_o complex. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Jun 2010],function:Mitochondrial membrane ATP synthase (F₁)F₀ ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the membrane which is generated by electron transport complexes of the respiratory chain. F-type ATPases consist of two structural domains, F₁ - containing the extramembraneous catalytic core, and F₀ - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F₁ is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F₀ domain. Minor subunit located with subunit a in the membrane.,similarity:Belongs to the ATPase e subunit family.,subunit:F-type ATPases have 2 components, CF₁ - the catalytic core - and CF₀ - the membrane proton channel. CF₀ seems to have nine subunits: a, b, c, d, e, f, g, F₆ and 8 (or A6L),

研究领域 (Research Area)

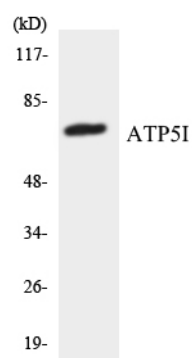
Oxidative phosphorylation;

图片 (Image Data)

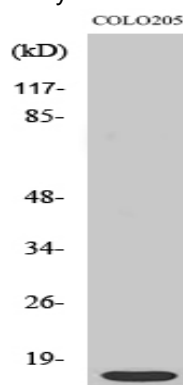


Western blot analysis of lysates from COLO cells, using ATP5I Antibody. The lane on the right is blocked with the synthesized peptide.

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Western blot analysis of the lysates from 293 cells using ATP5I antibody.



Western Blot analysis of various cells using ATP5I Polyclonal Antibody

注意事项 (Note)

For research use only .