

产品名称: ATP5D Rabbit Polyclonal Antibody
产品货号: APRab07327



产品概述 (Summary)

产品名称 (Production Name)	ATP5D Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	IHC, ICC, IF, ELISA
种属反应性 (Reactivity)	Human, Mouse, Rat

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)	ATP5D
别名 (Alternative Names)	ATP5D; ATP synthase subunit delta; mitochondrial; F-ATPase delta subunit
基因 ID (Gene ID)	513.0
蛋白 ID (SwissProt ID)	P30049. The antiserum was produced against synthesized peptide derived from human ATP5D. AA range: 61-110

产品应用 (Application)

稀释比 (Dilution Ratio)	IHC 1:100-1:300, ICC/IF 1:200-1:1000, ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	

研究背景 (Background)

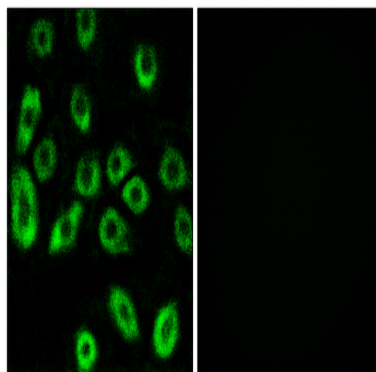
产品名称: ATP5D Rabbit Polyclonal Antibody
产品货号: AP Rab07327

This gene encodes 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 is composed of two linked multi-subunit complexes: the soluble catalytic core, F₁, and the membrane-spanning component, F₀, 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). This gene encodes the delta subunit of the catalytic core. Alternatively spliced transcript variants encoding the same isoform have been identified. [provided by RefSeq, Jul 2008],function:Mitochondrial membrane ATP synthase (F₁F₀) 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, F(1) - containing the extramembraneous catalytic core, and F(0) - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP turnover in the catalytic domain of F(1) is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F(1) domain and of the central stalk which is part of the complex rotary element. Rotation of the central stalk against the surrounding alpha(3)beta(3) subunits leads to hydrolysis of ATP in three separate catalytic sites on the beta subunits.,similarity:Belongs to the ATPase epsilon chain family.,subunit:F-type ATPases have 2 components, CF(1) - the catalytic core - and CF(0) - the membrane proton channel. CF(1) has five subunits: alpha(3), beta(3), gamma(1), delta(1), epsilon(1). CF(0) seems to have nine subunits: a, b, c, d, e, f, g, F6 and 8 (or A6L),

研究领域 (Research Area)

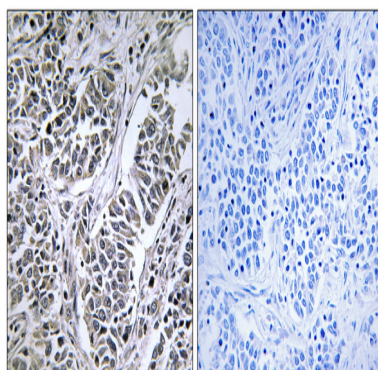
Oxidative phosphorylation;Alzheimer's disease;Parkinson's disease;Huntington's disease;

图片 (Image Data)



Immunofluorescence analysis of A549 cells, using ATP5D Antibody. The picture on the right is blocked with the synthesized peptide.

产品名称: ATP5D Rabbit Polyclonal Antibody
产品货号: APRab07327



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using ATP5D Antibody. The picture on the right is blocked with the synthesized peptide.

注意事项 (Note)

For research use only .