产品名称：ATPB (19W10) Rabbit Monoclonal Antibody
产品货号：AMRe07347

产品概述（Summary）

产品名称（Production Name）	ATPB (19W10) Rabbit Monoclonal Antibody
描述（Description）	Recombinant rabbit monoclonal antibody
宿主（Host）	Rabbit
应用（Application）	WB,IHC,ICC/IF,IP
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）	Monoclonal
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）	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein.
纯化方式（Purification）	Affinity purification

免疫原信息（Immunogen）

基因名（Gene Name）	ATP5F1B
别名（Alternative Names）	ATP 5B; ATP synthase subunit beta mitochondrial; ATPB; ATPMB; ATPSB;
基因 ID（Gene ID）	506.0
蛋白 ID（SwissProt ID）	P06576.A synthetic peptide of human ATPB

产品应用（Application）

稀释比（Dilution Ratio）	WB 1:2000-1:10000,IHC 1:20-1:100,ICC/IF 1:20-1:50,IP 1:20-1:50
蛋白分子量（Molecular Weight）	57kDa

研究背景（Background）

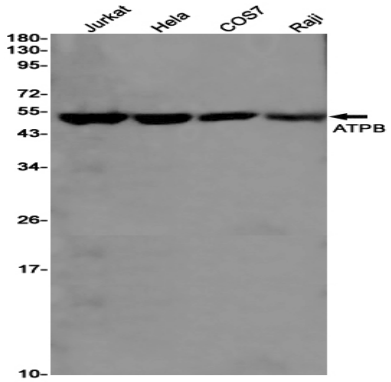
Rotation of the central stalk against the surrounding alpha(3)beta(3) subunits leads to hydrolysis of ATP in three separate

catalytic sites on the beta subunits. Mitochondrial membrane ATP synthase (F(1)F(0) 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 synthesis in the catalytic domain of F(1) is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Subunits alpha and beta form the catalytic core in F(1). 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.

研究领域（Research Area）

Tags & Cell Markers; Signal Transduction; Mitochondria; Energy Metabolism; Mitochondrial markers; Complex V

图片（Image Data）



Western blot detection of ATPB in Jurkat,Hela,COS7,Raji cell lysates using ATPB antibody(1:1000 diluted).

注意事项（Note）

For research use only .