



ATP5J rabbit pAb

Catalog No	YP-Ab-11737
Isotype	IgG
Reactivity	Human; Mouse; Rat
Applications	IHC; IF
Gene Name	ATP5J ATP5A ATPM
Immunogen	Synthesized peptide derived from human ATP5J AA range: 13-63
Specificity	This antibody detects endogenous levels of ATP5J at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit, IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	IHC-p 1:50-200. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ATP5PF; ATP synthase-coupling factor 6; mitochondrial; ATP synthase peripheral stalk subunit; ATP5J; ATP5J ATP5A ATPM
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Mitochondrion. Mitochondrion inner membrane.
Tissue Specificity	
Function	function: 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. Part of the complex F ₀ domain and the peripheral stalk, which acts as a stator to hold the catalytic α ₃ β ₃ subcomplex and subunit a/ATP6 static relative to the rotary elements. Also involved in the restoration of oligomycin-sensitive ATPase activity to depleted F ₁ -F ₀ complexes., simi



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 complex has nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene encodes the F6 subunit of the Fo complex. The F6 subunit is required for F1 and Fo interactions. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. This gene has 1 or more pseudogenes. [provided by RefSeq, Feb 2016],

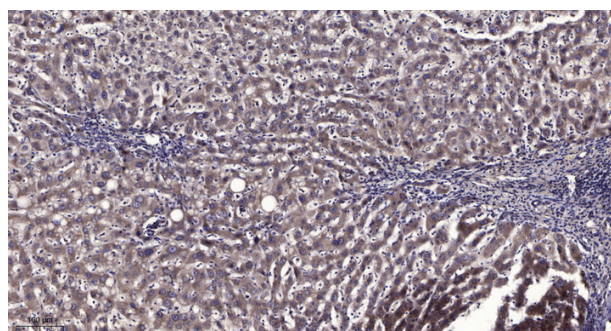
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).