Product Name: ATP5J2 Rabbit Polyclonal Antibody
Catalog #: APRab07337
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	IHC,ICC/IF,ELISA
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:10000
Molecular Weight	

Antigen Information

Gene Name	ATP5J2
Alternative Names	ATP synthase f chain mitochondrial; ATP5JL; ATPK
Gene ID	9551.0
SwissProt ID	A6ND55
Immunogen	The antiserum was produced against synthesized peptide derived from human ATP5J2. AA range:21-70

Background

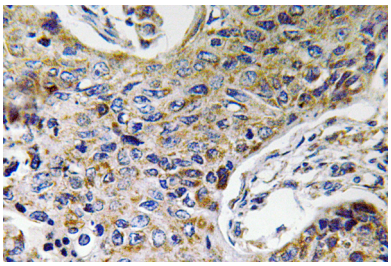
Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner

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 catalytic portion of mitochondrial ATP synthase consists of five different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and single representatives of the gamma, delta, and epsilon subunits. The proton channel likely has nine subunits (a, b, c, d, e, f, g, F6 and 8). ATP5J2 (ATP synthase, H+ transporting, mitochondrial Fo complex subunit F2) encodes the f subunit of the Fo complex. Alternatively spliced transcript variants encoding different isoforms have been identified for ATP5J2. ATP5J2 has multiple pseudogenes. Naturally occurring read-through transcription also exists between ATP5J2 and the downstream pentatricopeptide repeat domain 1 (PTCD1) gene. purine nucleotide metabolic process,purine nucleotide biosynthetic process,ATP biosynthetic process,ion transport,cation transport,hydrogen transport,nucleoside triphosphate metabolic process,nucleoside triphosphate biosynthetic process,purine nucleoside triphosphate metabolic process,purine nucleoside triphosphate biosynthetic process,purine ribonucleotide metabolic process,purine ribonucleotide biosynthetic process,nucleotide biosynthetic process,ribonucleoside triphosphate metabolic process,ribonucleoside triphosphate biosynthetic process,purine ribonucleoside triphosphate metabolic process,purine ribonucleoside triphosphate biosynthetic process,ribonucleotide metabolic process,ribonucleotide biosynthetic process,monovalent inorganic cation transport,proton transport,nucleobase, nucleoside and nucleotide biosynthetic process,nucleobase, nucleoside, nucleotide and nucleic acid biosynthetic process,nitrogen compound biosynthetic process,ATP metabolic process,

Research Area

Oxidative phosphorylation;

Image Data



Immunohistochemistry analysis of ATP5J2 antibody in paraffin-embedded human lung carcinoma tissue.