



ATP5J2 Polyclonal Antibody

Catalog No	YP-Ab-00676
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	IHC;IF;ELISA
Gene Name	ATP5J2
Immunogen	The antiserum was produced against synthesized peptide derived from human ATP5J2. AA range:21-70
Specificity	ATP5J2 Polyclonal Antibody detects endogenous levels of ATP5J2 protein.
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 antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC: 1/100 - 1/300. ELISA: 1/5000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ATP synthase membrane subunit f;ATP5JL;ATP5MF;ATP5J2;ATP synthase f chain mitochondrial;ATPK
Observed Band	
Calculated Molecular Weight	
Cell Pathway	
Tissue Specificity	
Function	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 n

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.

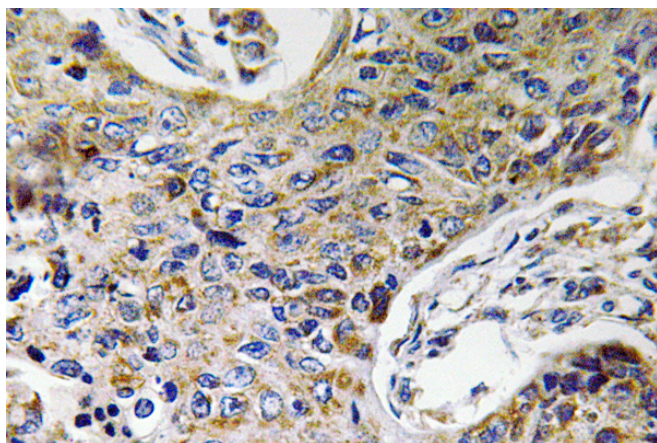
matters needing attention

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



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