

## ATP5J2 Polyclonal Antibody

<b>Catalog No :</b>	YT0408
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	IHC;IF;ELISA
<b>Target :</b>	ATP5J2
<b>Gene Name :</b>	ATP5J2
<b>Protein Name :</b>	ATP5J2
<b>Human Gene Id :</b>	9551
<b>Human Swiss Prot No :</b>	A6ND55
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human ATP5J2. AA range:21-70
<b>Specificity :</b>	ATP5J2 Polyclonal Antibody detects endogenous levels of ATP5J2 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	6kD
<b>Cell Pathway :</b>	Oxidative phosphorylation;

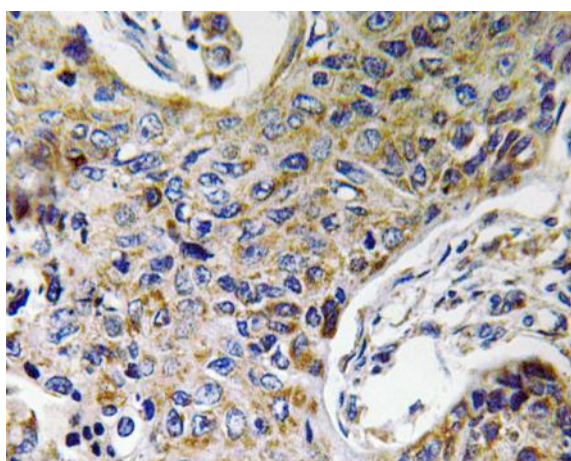
## Background :

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, F<sub>1</sub>, and the membrane-spanning component, F<sub>o</sub>, 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<sup>+</sup> transporting, mitochondrial F<sub>o</sub> complex subunit F2) encodes the f subunit of the F<sub>o</sub> 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.

## 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

## Products Images



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