

DNAxPAb

Hard-to-Find
Antibody

ATP5G1 DNAxPab

Catalog # H00000516-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a partial-length human ATP5G1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Extracellular membrane domain (ECD) human DNA
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — ATP5G1

Entrez GeneID	516
GeneBank Accession#	NM_001002027.1
Protein Accession#	NP_001002027.1
Gene Name	ATP5G1
Gene Alias	ATP5A, ATP5G
Gene Description	ATP synthase, H ⁺ transporting, mitochondrial F0 complex, subunit C1 (subunit 9)
Omim ID	603192
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. ATP synthase is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, comprising the proton channel. The catalytic portion of mitochondrial ATP synthase consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and a single representative of the other 3. The proton channel seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene is one of three genes that encode subunit c of the proton channel. Each of the three genes have distinct mitochondrial import sequences but encode the identical mature protein. Alternatively spliced transcript variants encoding the same protein have been identified. [provided by RefSeq]
Other Designations	ATP synthase lipid-binding protein, mitochondrial ATP synthase proteolipid P1 ATP synthase, H ⁺ transporting, mitochondrial F0 complex, subunit C1 ATP synthase, H ⁺ transporting, mitochondrial F0 complex, subunit c (subunit 9), isoform 1 ATPase protein 9 AT

Pathway

- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)