

DNAxPAb

Hard-to-Find  
Antibody

# ATP5A1 DNAxPab

Catalog # H00000498-W01P

Size 200 ug

## Specification

Product Description	Rabbit polyclonal antibody raised against a partial-length human ATP5A1 DNA using DNAx™ Immune technology.
Technology	<a href="#">DNAx™ Immune</a>
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 — ATP5A1

Entrez GeneID	<a href="#">498</a>
GeneBank Accession#	<a href="#">NM_001001937.1</a>
Protein Accession#	<a href="#">NP_001001937.1</a>
Gene Name	ATP5A1
Gene Alias	ATP5A, ATP5AL2, ATPM, MOM2, OMR, ORM, hATP1
Gene Description	ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit 1, cardiac muscle
Omim ID	<a href="#">164360</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>This gene encodes a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, using 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 consists of three main subunits (a, b, c). This gene encodes the alpha subunit of the catalytic core. Alternatively spliced transcript variants encoding the same protein have been identified. Pseudogenes of this gene are located on chromosomes 9, 2, and 16. [provided by RefSeq]</p>
Other Designations	ATP synthase alpha chain, mitochondrial ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit, isoform 1, cardiac muscle ATP synthase, H+ transporting, mitochondrial F

## Pathway

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

## Disease

- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)

- [Prostatic Neoplasms](#)