

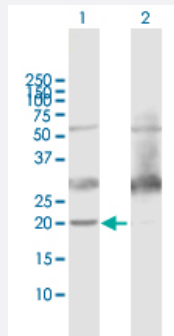
MaxPab®

# ATP5H purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00010476-B01P

Size 50 ug

## Applications



### Western Blot (Transfected lysate)

Western Blot analysis of ATP5H expression in transfected 293T cell line ([H00010476-T02](#)) by ATP5H MaxPab polyclonal antibody.

Lane 1: ATP5H transfected lysate(17.71 KDa).

Lane 2: Non-transfected lysate.

## Specification

Product Description	Mouse polyclonal antibody raised against a full-length human ATP5H protein.
Immunogen	ATP5H (NP_006347, 1 a.a. ~ 161 a.a) full-length human protein.
Sequence	MAGRKLALKTIDWVAFAEIIPQNQKAIASSLKSWNETLTSRLAALPENPPAIDWAYYKANVAKAGLV DDFEKKFNALKVPVPEDKYTAQVDAEEKEDVKSCAEWVSLSKARIVEYEKEMEKMKNLIPFDQM TIEDLNEAFPETKLDKKKYPYWP HQPIENL
Host	Mouse
Reactivity	Human
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

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[Protocol Download](#)

## Gene Info — ATP5H

Entrez GeneID [10476](#)

GeneBank Accession# [NM\\_006356](#)

Protein Accession# [NP\\_006347](#)

Gene Name ATP5H

Gene Alias ATP5JD, ATPQ

Gene Description ATP synthase, H<sup>+</sup> transporting, mitochondrial F0 complex, subunit d

Gene Ontology [Hyperlink](#)

**Gene Summary** 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, F0, which comprises the proton channel. The F1 complex consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled in a ratio of 3 alpha, 3 beta, and a single representative of the other 3. The F0 seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene encodes the d subunit of the F0 complex. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. In addition, three pseudogenes are located on chromosomes 9, 12 and 15. [provided by RefSeq]

**Other Designations** ATP synthase D chain, mitochondrial|ATP synthase, H<sup>+</sup> transporting, mitochondrial F1F0, subunit d|My032 protein

## Pathway

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