

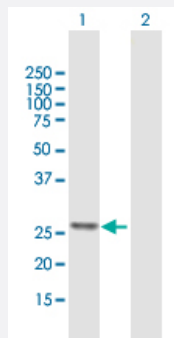
MaxPab®

ATP5F1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000515-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of ATP5F1 expression in transfected 293T cell line ([H00079932-T02](#)) by ATP5F1 MaxPab polyclonal antibody.

Lane 1: ATP5F1 transfected lysate(28.27 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human ATP5F1 protein.
Immunogen	ATP5F1 (AAH05366, 1 a.a. ~ 256 a.a) full-length human protein.
Sequence	MLSRVVLAAATAAPSLKNAFLGPGVLQATRTFHTGQPHLVPVPPLPEYGGKVRYGLIPEEFFQ FLYPKTGVTGPYVLGTGLILYALSKEIYVISAETFTALSVLGVMVYGIKKYGPFVADFADKLNEQKLA QLEEAQASIQHIQNAIDTEKSQQALVQKRHYLFDVQRNNIAMALEVTYRERLYRVYKEVKNRLDYH ISVQNMRRKEQEHMINWVEKHVVQSISTQQEKETIAKCIADLKLAKKAQAQPVM
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.

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[Protocol Download](#)

Gene Info — ATP5F1

Entrez GeneID [515](#)

GeneBank Accession# [BC005366](#)

Protein Accession# [AAH05366](#)

Gene Name ATP5F1

Gene Alias MGC24431, PIG47

Gene Description ATP synthase, H⁺ transporting, mitochondrial F0 complex, subunit B1

Omim ID [603270](#)

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 encodes the b subunit of the proton channel. [provided by RefSeq]

Other Designations ATP synthase B chain, mitochondrial|ATP synthase, H⁺ transporting, mitochondrial F0 complex, subunit b, isoform 1|H⁺-ATP synthase subunit b|OTTHUMP00000013469|cell proliferation-inducing protein 47

Pathway

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

Disease

- [Genetic Predisposition to Disease](#)
- [Prostatic Neoplasms](#)