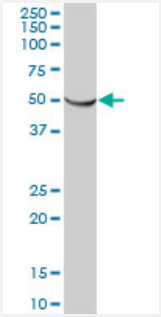
MaxPab®

ATP5B purified MaxPab mouse polyclonal antibody (B01P)

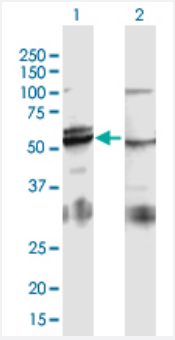
Catalog # H00000506-B01P Size 50 ug

Applications



Western Blot (Tissue lysate)

ATP5B MaxPab polyclonal antibody. Western Blot analysis of ATP5B expression in human liver.



Western Blot (Transfected lysate)

Western Blot analysis of ATP5B expression in transfected 293T cell line (H00000506-T01) by ATP5B MaxPab polyclonal antibody.

Lane 1: ATP5B transfected lysate(58.19 KDa).
Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human ATP5B protein.
Immunogen	ATP5B (NP_001677.2, 1 a.a. ~ 529 a.a) full-length human protein.
Sequence	MLGFVGRVAAAPASGALRRLTPSASLPPAQLLLRAAPTAVHPVRDYAAQTSPSPKAGAATGRIVA VIGAVVDVQFDEGLPPILNALEVQGRETRLVLEVAQHLGESTVRTIAMDGTEGLVRGQKVLDSGA PIKIPVGPETLGRIMNVIGEPIDERGPIKTKQFAPIHAEAPEFMEMSVEQEILVTGIKVVDLLAPYAKG GKIGLFGGAGVGKTVLIMELINNVAKAHGGYSVFAGVGERTREGNDLYHEMIESGVINLKDATSKV ALVYGQMNEPPGARARVALTGLTVAEYFRDQEGQDVLLFIDNIFRFTQAGSEVSALLGRIPSAVGY QPTLATDMGTMQERITTTKKGSITSVQAIYVPADDLTDPAPATTFAHLDATTVLSRAIAELGIYPAVD PLDSTSRIMDPNIVGSEHYDVARGVQKILQDYKSLQDIIAILGMDELSEEDKLTVSRARKIQRFLSQP FQVAEVFTGHMGKLVPLKETIKGFQQILAGEYDHLPEQAFYMVGPIEEAVAKADKLAEEHSS

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

- Western Blot (Tissue lysate)

  ATP5B MaxPab polyclonal antibody. Western Blot analysis of ATP5B expression in human liver.

  Protocol Download

- Western Blot (Transfected lysate)

  Western Blot analysis of ATP5B expression in transfected 293T cell line (H00000506-T01) by ATP5B MaxPab polyclonal antibody.

  Lane 1: ATP5B transfected lysate(58.19 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download

Gene Info — ATP5B

Entrez GeneID	506
GeneBank Accession#	NM_001686.3
Protein Accession#	NP_001677.2
Gene Name	ATP5B
Gene Alias	ATPMB, ATPSB, MGC5231
Gene Description	ATP synthase, H+ transporting, mitochondrial F1 complex, beta polypeptide
Omim ID	102910
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 consists of three main subunits (a, b, c). This gene encodes the beta subunit of the catalytic core. [provided by RefSeq
Other Designations	ATP synthase, H+ transporting, mitochondrial F1 complex, beta subunit|mitochondrial ATP synthetase, beta subunit

Pathway

- Metabolic pathways
- Oxidative phosphorylation

Disease

- Coronary Artery Disease