

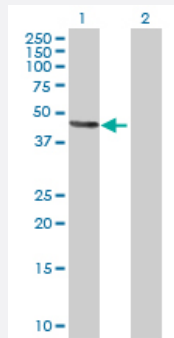
MaxPab®

# ATP4B MaxPab mouse polyclonal antibody (B02)

Catalog # H00000496-B02

Size 50 uL

## Applications



### Western Blot (Transfected lysate)

Western Blot analysis of ATP4B expression in transfected 293T cell line ([H00000496-T02](#)) by ATP4B MaxPab polyclonal antibody.

Lane 1: ATP4B transfected lysate(32.01 KDa).

Lane 2: Non-transfected lysate.

## Specification

Product Description	Mouse polyclonal antibody raised against a full-length human ATP4B protein.
Immunogen	ATP4B (NP_000696.1, 1 a.a. ~ 291 a.a) full-length human protein.
Sequence	MAALQEKKTCGQRMEEFQRYCWNPD TGQMLGRTL SRVWVWISLYYVAFYVMTGLFALCLYVLM QTVDPYTPDYQDQLRSPGVTLRPDVYGEKGLMVYNVSDNRTWADLTQTLHAFLAGYSPAQEDS INCTSEQYFFQESFRAPNHTKFSCFKTADMLQNC SGLADPNFGFEEGKPCFIKMNRMVKFLPSNG SAPRVDCAFLDQPRELGQPLQVKYPPNGTFS LHYFPYGGKKAQPHYSNPLVAAKLLNIPRNAEV AVCKVMAEHVTFNNPHDPYEGKVEFKLIEK
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

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[Protocol Download](#)

## Gene Info — ATP4B

Entrez GeneID [496](#)

GeneBank Accession# [NM\\_000705.2](#)

Protein Accession# [NP\\_000696.1](#)

Gene Name ATP4B

Gene Alias ATP6B

Gene Description ATPase, H<sup>+</sup>/K<sup>+</sup> exchanging, beta polypeptide

Omim ID [137217](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** The protein encoded by this gene belongs to a family of P-type cation-transporting ATPases. The gastric H<sup>+</sup>, K<sup>+</sup>-ATPase is a heterodimer consisting of a high molecular weight catalytic alpha subunit and a smaller but heavily glycosylated beta subunit. This enzyme is a proton pump that catalyzes the hydrolysis of ATP coupled with the exchange of H<sup>(+)</sup> and K<sup>(+)</sup> ions across the plasma membrane. It is also responsible for gastric acid secretion. This gene encodes the beta subunit of the gastric H<sup>+</sup>, K<sup>+</sup>-ATPase. [provided by RefSeq]

**Other Designations** ATPase, H<sup>+</sup>/K<sup>+</sup> transporting, beta polypeptide|gastric H<sup>+</sup>/K<sup>+</sup> ATPase beta subunit|gastric hydrogen-potassium ATPase, beta|hydrogen/potassium-exchanging ATPase 4B|potassium-transporting ATPase beta chain|proton pump beta chain

## Pathway

- [Oxidative phosphorylation](#)

## Disease

- [Cardiovascular Diseases](#)