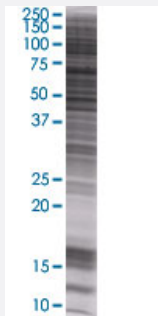


ATP4B 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000496-T02

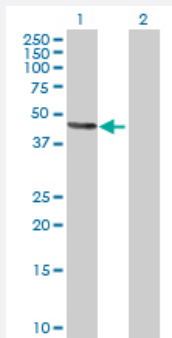
Size 100 uL

Applications



SDS-PAGE Gel

ATP4B transfected lysate.



Western Blot

Lane 1: ATP4B transfected lysate (32.12 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-ATP4B full-length

Host Human

Theoretical MW (kDa) 32.12

Quality Control Testing Transient overexpression cell lysate was tested with Anti-ATP4B antibody ([H00000496-B02](#)) by Western Blots.
 SDS-PAGE Gel
 ATP4B transfected lysate.
 Western Blot
 Lane 1: ATP4B transfected lysate (32.12 KDa)
 Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — ATP4B

Entrez GeneID[496](#)**GeneBank Accession#**[NM_000705.2](#)**Protein Accession#**[NP_000696.1](#)**Gene Name**

ATP4B

Gene Alias

ATP6B

Gene DescriptionATPase, H⁺/K⁺ 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⁺, K⁺-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⁽⁺⁾ and K⁽⁺⁾ ions across the plasma membrane. It is also responsible for gastric acid secretion. This gene encodes the beta subunit of the gastric H⁺, K⁺-ATPase. [provided by RefSeq]

Other Designations

ATPase, H⁺/K⁺ transporting, beta polypeptide|gastric H⁺/K⁺ 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](#)