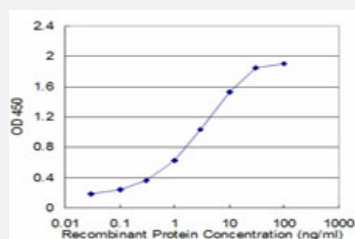


ATP4B monoclonal antibody (M10), clone 1D10

Catalog # H00000496-M10

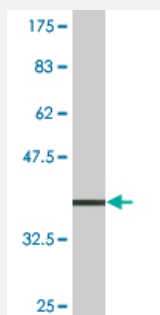
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ATP4B is approximately 0.1ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.84 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant ATP4B.

Immunogen

ATP4B (NP_000696.1, 67 a.a. ~ 176 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

DPYTPDYQDQLRSPGVTLRPDVYGEKGLEMYNVSDNRTWADLTQTLHAFLAGYSPAAQEDSINC
TSEQYFFQESFRAPNHTKFSCCKFTADMLQNCSGLADPNFGFEEGK

Host

Mouse

Reactivity

Human

Isotype

IgG2a Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (37.84 KDa) .

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 (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ATP4B is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ATP4B

Entrez GeneID

[496](#)

GeneBank Accession#

[NM_000705](#)

Protein Accession#

[NP_000696.1](#)

Gene Name

ATP4B

Gene Alias

ATP6B

Gene Description

ATPase, 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](#)