

Datasheet for ABIN5518738
anti-ATP4b antibody (N-Term)



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1 Image

Overview

Quantity:	100 µg
Target:	ATP4b
Binding Specificity:	AA 1-28, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP4b antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Potassium-transporting ATPase subunit beta(ATP4B) detection. Tested with WB in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human ATP4B (1-28aa MAALQEKKTCGQRMEEFQRYCWNPDTGQ), different from the related mouse and rat sequences by five amino acids.
Sequence:	MAALQEKKTC GQRMEEFQRY CWNPDTGQ
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Potassium-transporting ATPase subunit beta(ATP4B) detection. Tested with WB in Human,Mouse,Rat. Gene Name: ATPase H ⁺ /K ⁺ transporting beta subunit

Product Details

	Protein Name: Potassium-transporting ATPase subunit beta
Purification:	Immunogen affinity purified.

Target Details

Target:	ATP4b
Alternative Name:	ATP4B (ATP4b Products)
Background:	<p>This gene encodes the beta subunit of the gastric H⁺, K⁺-ATPase. 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.</p> <p>Synonyms: ATP4B ATP6B Parietal cell antigen Proton pump beta chain P51164</p>
Gene ID:	496
UniProt:	P51164
Pathways:	Proton Transport

Application Details

Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat</p> <p>Notes: Tested Species: Species with positive results.</p> <p>Other applications have not been tested. Optimal dilutions should be determined by end users.</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

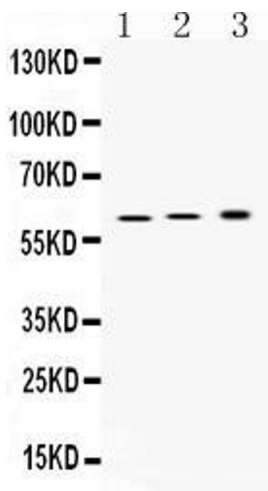
Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot analysis of ATP4B expression in rat stomach extract (Lane 1), mouse stomach extract (Lane 2) and SGC7901 whole cell lysates (Lane 3). ATP4B at 60KD was detected using rabbit anti- ATP4B Antigen Affinity purified polyclonal antibody (Catalog #) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).