Datasheet for ABIN7603198

anti-ATP4A antibody (N-Term)

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Overview

Quantity:	100 µg
Target:	ATP4A
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP4A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-ATP4A Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human ATP4A, which shares 96.2% amino acid (aa) sequence identity with mouse and rat ATP4A.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-ATP4A Antibody Picoband® (ABIN7603198). Tested in Flow Cytometry, IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	ATP4A
Alternative Name:	ATP4A (ATP4A Products)
Background:	Synonyms: Zinc finger protein 42 homolog, Zfp-42, Reduced expression protein 1, REX-1, hREX-1, Zinc finger protein 754, ZFP42, REX1, ZNF754 Tissue Specificity: Expressed in kidney, epidermal keratinocytes, prostate epithelial cells, bronchial and small airway lung epithelial cells (at protein level). Expressed in malignant kidney and several carcinoma cell lines (at protein level). Expressed in embryonic stem cells, kidney, epidermal keratinocytes, prostate epithelial cells, bronchial and small airway lung epithelial cells. Expressed in embryonal carcinomas, seminomas, malignant kidney and several carcinoma cell lines. Background: 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 a catalytic alpha subunit of the gastric H+, K+-ATPase.
Molecular Weight:	130 kDa
Gene ID:	495
UniProt:	P20648
Pathways:	Proton Transport, Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Mouse, Rat Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, rat Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human 1. Maeda, M., Oshiman, K.-I., Tamura, S., Futai, M. Human gastric (H(+) + K(+))-ATPase gene: similarity to (Na(+) + K(+))-ATPase genes in exon/intron organization but difference in control region. J. Biol. Chem. 265: 9027-9032, 1990. 2. Song, I., Yamada, T., Trent, J. M. Mapping of the gene encoding the alpha-subunit of the human H(+),K(+)-ATPase to chromosome 19q13.1 by fluorescent in situ hybridization. Genomics 14: 547-548, 1992.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.