Datasheet for ABIN7436267

anti-ATP4A antibody (AA 786-1014)

3 Images | 1 Publication

Go to Product page

Overview

Quantity:	100 µL
Target:	ATP4A
Binding Specificity:	AA 786-1014
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP4A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Polyclonal Antibody to ATPase, H+/K+ Exchanging Alpha Polypeptide (ATP4a)
Immunogen:	Recombinant ATPase, H+/K+ Exchanging Alpha Polypeptide (ATP4a) corresdonding to Pro786~Cys1014 (Accession # Q91WH7) with N-terminal His and GST Tag
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against ATP4a. It has been selected for its ability to recognize ATP4a in immunohistochemical staining and western blotting.
Cross-Reactivity:	Human, Rat
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Target Details

Target:	ATP4A
Alternative Name:	ATPase, H+/K+ Exchanging Alpha Polypeptide (ATP4A Products)
Background:	Gastric H,K-ATPase Alpha Subunit, H(+)-K(+)-ATPase Alpha Subunit, Proton Pump, Potassium-transporting ATPase alpha chain 1
Pathways:	Proton Transport, Ribonucleoside Biosynthetic Process

Application Details

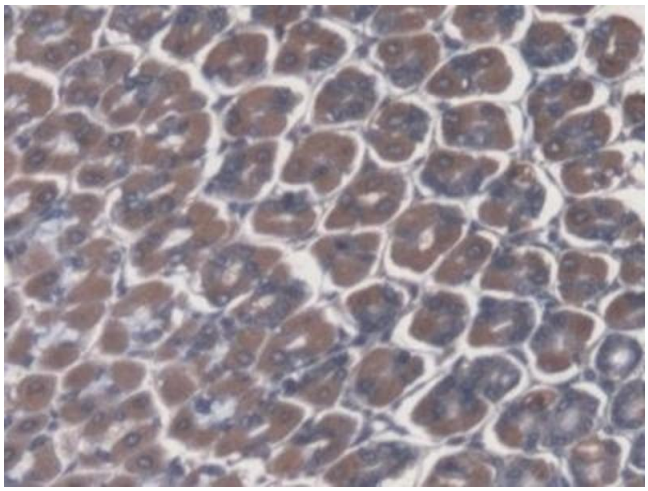
Application Notes:	Western blotting: 0.5-2 µg/mL Immunohistochemistry: 5-20 µg/mL Immunocytochemistry: 5-20 µg/mL Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
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:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months

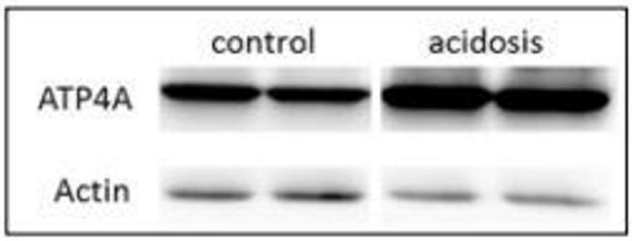
Publications

Product cited in:	Daher, Ducrot, Lefebvre, Zineeddine, Ausseil, Puy, Karim: "Crosstalk between Acidosis and Iron Metabolism: Data from In Vivo Studies." in: **Metabolites**, Vol. 12, Issue 2, (2022) (PubMed).



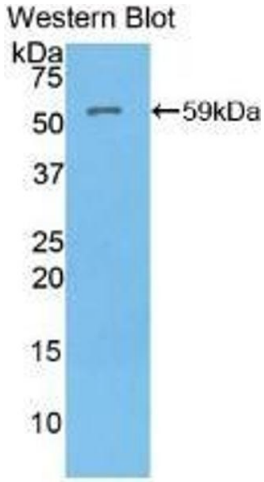
Immunohistochemistry

Image 1. #VALUE!



Western Blotting

Image 2. resentative western blot images of ATP4A, right panel is the quantification of the ratio of ATP4A on actin signals.



Western Blotting

Image 3. Detection of Recombinant ATP4a, Mouse using Polyclonal Antibody to ATPase, H+/K+ Exchanging Alpha Polypeptide (ATP4a)