Datasheet for ABIN7428587

anti-ATP1A1 antibody (AA 493-660)

5 Images

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Overview

Quantity:	100 µL
Target:	ATP1A1
Binding Specificity:	AA 493-660
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Monoclonal Antibody to ATPase, Na+/K+ Transporting Alpha 1 Polypeptide (ATP1a1)
Immunogen:	Recombinant ATPase, Na+/K+ Transporting Alpha 1 Polypeptide (ATP1a1) corresdonding to His493~Ala660 with N-terminal His Tag
Isotype:	IgG
Specificity:	The antibody is a mouse monoclonal antibody raised against ATP1a1. It has been selected for its ability to recognize ATP1a1 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Cow, Mouse, Pig, Rabbit, Rat
Purification:	Protein A + Protein G affinity chromatography

Target Details

Target:	ATP1A1

Target Details

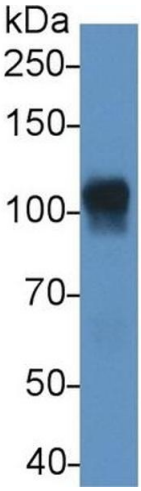
Alternative Name:	ATPase, Na+/K+ Transporting Alpha 1 Polypeptide (ATP1A1 Products)
Background:	Sodium pump subunit alpha-1, Na(+)/K(+) ATPase alpha-1 subunit, Sodium/potassium-transporting ATPase subunit alpha-1
Pathways:	Thyroid Hormone Synthesis, Regulation of Hormone Metabolic Process, Regulation of Hormone Biosynthetic Process, Proton Transport, Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	Western blotting: 0.2-2 µg/mL 1:500-5000 Immunohistochemistry: 5-20 µg/mL 1:50-200 Immunocytochemistry: 5-20 µg/mL 1:50-200 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

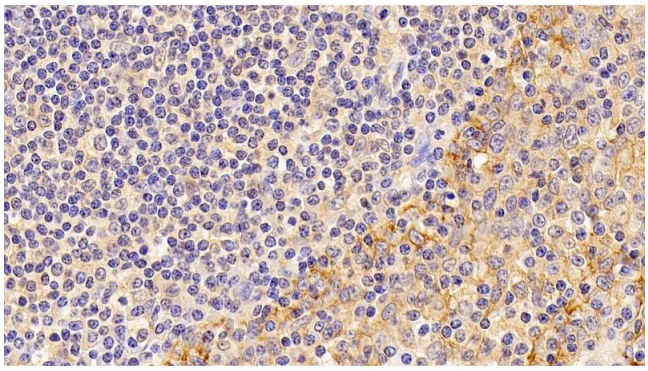
Handling

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



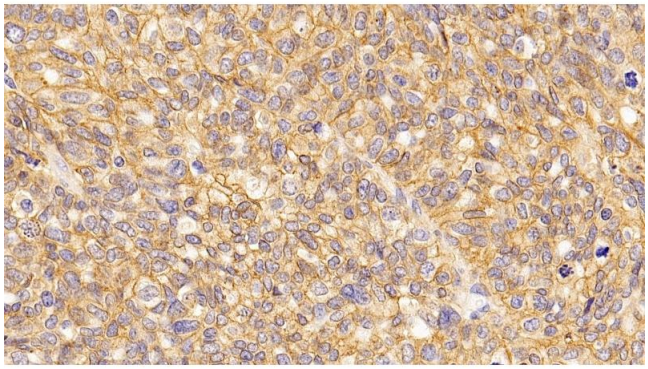
Western Blotting

Image 1. Detection of ATP1a1 in Mouse Heart lysate using Monoclonal Antibody to ATPase, Na+/K+ Transporting Alpha 1 Polypeptide (ATP1a1)



Immunohistochemistry

Image 2. Detection of ATP1a1 in Human amygdalitis Tissue using Monoclonal Antibody to ATPase, Na+/K+ Transporting Alpha 1 Polypeptide (ATP1a1)



Immunohistochemistry

Image 3. Detection of ATP1a1 in Human Ovarian cancer Tissue using Monoclonal Antibody to ATPase, Na+/K+ Transporting Alpha 1 Polypeptide (ATP1a1)

Please check the product details page for more images. Overall 5 images are available for ABIN7428587.