Datasheet for ABIN7175225

anti-ATP6V1A antibody (Catalytic Subunit A)

2 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	ATP6V1A
Binding Specificity:	AA 159-405, Catalytic Subunit A
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP6V1A antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human V-type proton ATPase catalytic subunit A protein (159-405AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	ATP6V1A
Alternative Name:	ATP6V1A (ATP6V1A Products)
Background:	Background: Catalytic subunit of the peripheral V1 complex of vacuolar ATPase. V-ATPase vacuolar ATPase is responsible for acidifying a variety of intracellular compartments in

Target Details

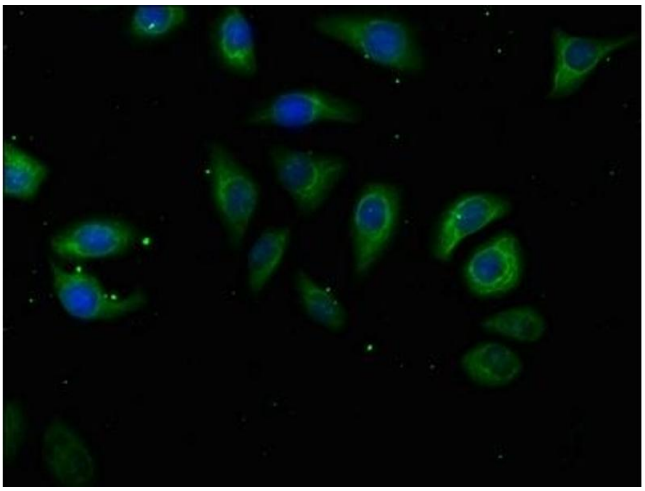
	eukaryotic cells. Aliases: 70 kDa subunit antibody, ATP6A1 antibody, ATP6V1A antibody, ATP6V1A1 antibody, ATPase H+ transporting lysosomal subunit A1 antibody, ATPase H+ transporting, lysosomal 70 kDa V1 subunit A antibody, H(+) transporting two sector ATPase subunit A antibody, H+ transporting ATPase chain A vacuolar (VA68 type) antibody, HO68 antibody, OTTHUMP00000214746 antibody, V ATPase 69 kDa subunit 1 antibody, V ATPase A subunit 1 antibody, V ATPase subunit A 1 antibody, V-ATPase 69 kDa subunit antibody, V-ATPase subunit A antibody, V-type proton ATPase catalytic subunit A antibody, VA68 antibody, Vacuolar ATP synthase catalytic subunit A ubiquitous isoform antibody, Vacuolar ATPase isoform VA68 antibody, Vacuolar proton pump alpha subunit 1 antibody, Vacuolar proton pump subunit alpha antibody, VATA_HUMAN antibody, Vma1 antibody, VPP2 antibody
UniProt:	P38606
Pathways:	Transition Metal Ion Homeostasis, Proton Transport, SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	Recommended dilution: IHC:1:20-1:200, IF:1:50-1:200,
Restrictions:	For Research Use only

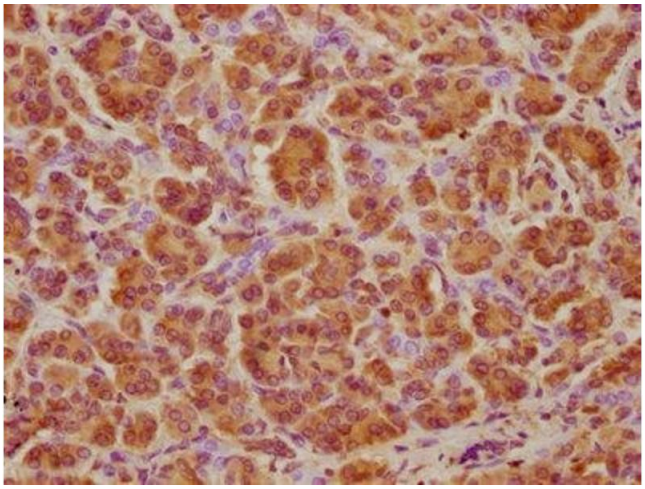
Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunofluorescence

Image 1. Immunofluorescence staining of A549 cells with ABIN7175225 at 1:50, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemistry

Image 2. IHC image of ABIN7175225 diluted at 1:100 and staining in paraffin-embedded human pancreatic tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.