Datasheet for ABIN7175232

anti-ATP6V1C1 antibody (AA 129-382)

3 Images

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Overview

Quantity:	100 µL
Target:	ATP6V1C1
Binding Specificity:	AA 129-382
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP6V1C1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human V-type proton ATPase subunit C 1 protein (129-382AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	ATP6V1C1
Alternative Name:	ATP6V1C1 (ATP6V1C1 Products)
Background:	Background: Subunit of the peripheral V1 complex of vacuolar ATPase. Subunit C is necessary for the assembly of the catalytic sector of the enzyme and is likely to have a specific function in

Target Details

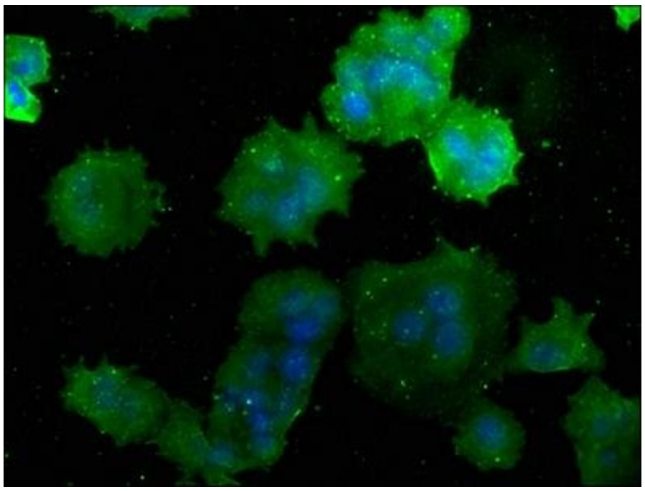
	its catalytic activity. V-ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells. Aliases: ATP6C antibody, ATP6D antibody, ATP6V1C1 antibody, ATPase H+ transporting lysosomal (vacuolar proton pump) 42kD antibody, ATPase H+ transporting lysosomal 42kD V1 subunit C isoform 1 antibody, ATPase H+ transporting lysosomal 42 kDa V1 subunit C isoform 1 antibody, ATPase H+ transporting lysosomal 42 kDa V1 subunit C1 antibody, ATPase H+ transporting lysosomal V1 subunit C1 antibody, FLJ20057 antibody, H(+) transporting two sector ATPase subunit C antibody, H+ ATPase C subunit antibody, H+ transporting ATPase chain C vacuolar antibody, Subunit C of vacuolar proton ATPase V1 domain antibody, V ATPase C subunit antibody, V ATPase subunit C 1 antibody, V-ATPase subunit C 1 antibody, V-type proton ATPase subunit C 1 antibody, Vacuolar ATP synthase subunit C antibody, Vacuolar proton pump 42 kD subunit antibody, Vacuolar proton pump C subunit antibody, Vacuolar proton pump subunit C 1 antibody, Vacuolar protonATPase subunit C VI domain antibody, VATC antibody, VATC1_HUMAN antibody, VATPase C subunit antibody, VATPase subunit C 1 antibody, VMA5 antibody
UniProt:	P21283
Pathways:	Transition Metal Ion Homeostasis, Proton Transport

Application Details

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

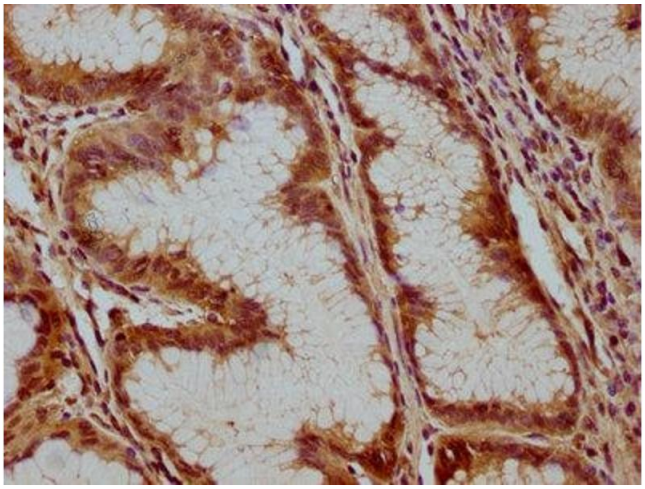
Handling

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.



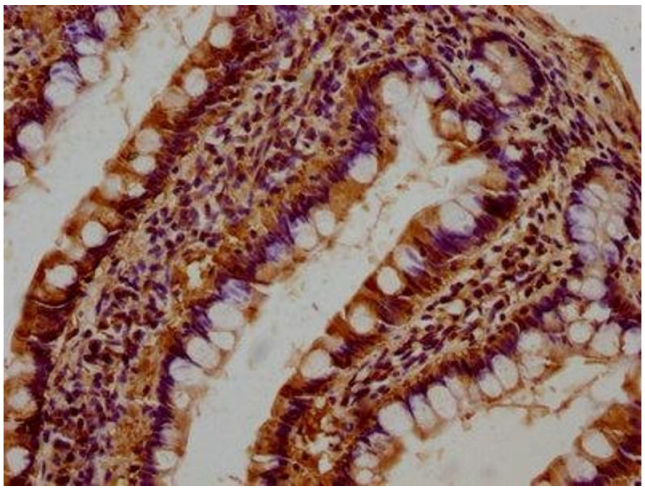
Immunofluorescence

Image 1. Immunofluorescence staining of MCF-7 cells with ABIN7175232 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 ABIN7175232 diluted at 1:100 and staining in paraffin-embedded human gastric cancer 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.



Immunohistochemistry

Image 3. IHC image of ABIN7175232 diluted at 1:100 and staining in paraffin-embedded human small intestine 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.