Datasheet for ABIN6741595

anti-ATP6V0A2 antibody (AA 72-121)

3 Images

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Overview

Quantity:	100 µL
Target:	ATP6V0A2
Binding Specificity:	AA 72-121
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP6V0A2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic peptide located between aa72-121 of human ATP6V0A2 (Q9Y487, NP_036595). Percent identity by BLAST analysis: Human, Chimpanzee, Gorilla, Gibbon, Marmoset, Mouse, Rat (100%), Monkey, Galago, Elephant, Dog, Bat, Horse (92%), Pig (91%), Bovine, Platypus (85%). Type of Immunogen: Synthetic peptide
Isotype:	IgG
Specificity:	Human ATP6V0A2
Predicted Reactivity:	Percent identity by BLAST analysis: Human, Rat (100%) Dog, Horse (92%) Pig (91%).
Purification:	Immunoaffinity purified

Target Details

Target:	ATP6V0A2
Alternative Name:	ATP6V0A2 (ATP6V0A2 Products)
Background:	Name/Gene ID: ATP6V0A2 Subfamily: ATPase - V type Family: Transporter Synonyms: ATP6V0A2, A2V-ATPase, ARCL, ARCL2A, ATP6A2, ATP6N1D, RTF, STV1, V-ATPase 116 kDa, TJ6S, WSS, J6B7, TJ6, TJ6M, V-ATPase 116 kDa isoform a2, VPH1
Gene ID:	23545
NCBI Accession:	NP_036595
UniProt:	Q9Y487
Pathways:	Transition Metal Ion Homeostasis, Proton Transport

Application Details

Application Notes:	Approved: IHC, IHC-P (5 µg/mL), WB Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 5 µg/mL. ELISA titer using peptide based assay: 1:312500. Western Blot: Suggested dilution at 1 µg/mL in 5 % skim milk / PBS buffer, and HRP conjugated anti-Rabbit IgG should be diluted in 1:50000 - 100000 as second antibody.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

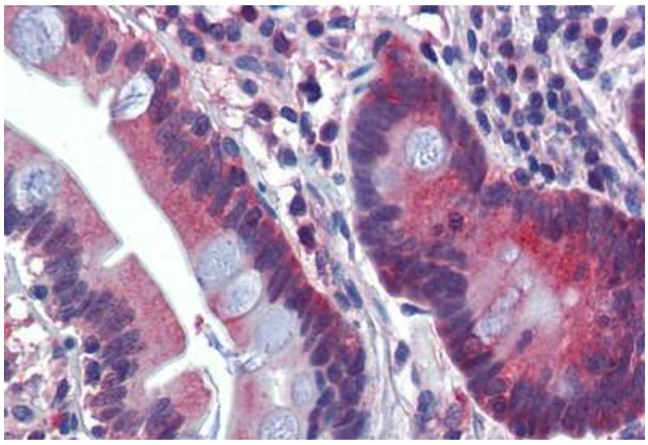
Handling

Format:	Lyophilized
Reconstitution:	Distilled Water.

Handling

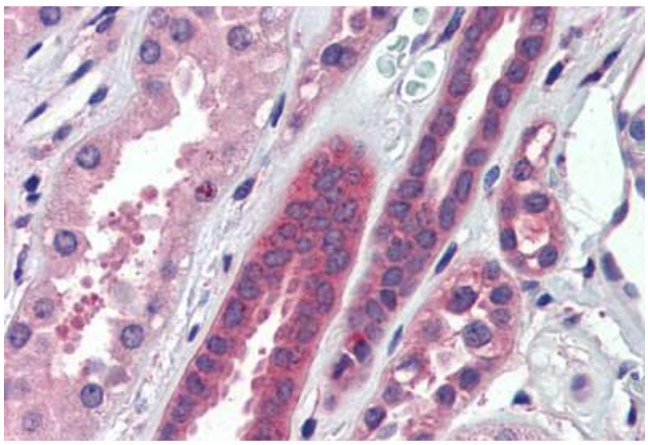
Concentration:	Lot specific
Buffer:	Lyophilized from PBS with 2 % sucrose
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Long term: -20°C, the use of 50% glycerol is recommended if storing aliquots in -20°C for long term use (up to 1 year) Short term (less than 1 week): 4°C. Avoid freeze-thaw cycles.

Images



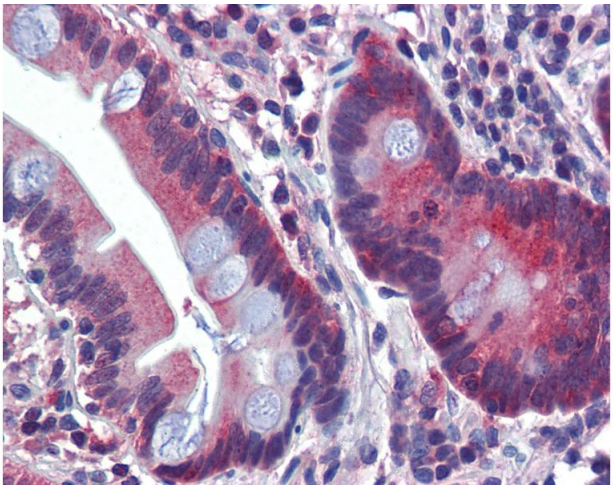
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Human Small Intestine (formalin-fixed, paraffin-embedded) stained with ATP6V0A2 antibody ABIN462234 followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Human Kidney (formalin-fixed, paraffin-embedded) stained with ATP6V0A2 antibody ABIN462234 followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry

Image 3. Anti-ATP6V0A2 antibody IHC of human small intestine. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml. This image was taken for the unconjugated form of this produc ...