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Product datasheet for TA346466

ATP6V0A2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-ATP6V0A2 antibody: synthetic peptide directed towards the N terminal of human ATP6V0A2. Synthetic peptide located within the following region: INRADIPLPEGEASPPAPPLKQVLEMQEQLQKLEVELREVTKNKEKLRKN
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. *Note that this product is shipped as lyophilized powder to China customers.*
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	98 kDa
Gene Name:	ATPase H+ transporting V0 subunit a2
Database Link:	NP_036595 Entrez Gene 23545 Human Q9Y487

View online »

Background: The multisubunit vacuolar-type proton pump (H(+)-ATPase or V-ATPase) is essential for acidification of diverse cellular components, including endosomes, lysosomes, clathrin-coated vesicles, secretory vesicles, and chromaffin granules, and it is found at high density in the plasma membrane of certain specialized cells. H(+)-ATPases are comprised of a peripheral V(1) domain and an integral membrane V(0) domain; ATP6V0A2 is a component of the V(0) domain.The multisubunit vacuolar-type proton pump (H(+)-ATPase or V-ATPase) is essential for acidification of diverse cellular components, including endosomes, lysosomes, clathrin-coated vesicles, secretory vesicles, and chromaffin granules, and it is found at high density in the plasma membrane of certain specialized cells. H(+)-ATPases are comprised of a peripheral V(1) domain and an integral membrane V(0) domain; ATP6V0A2 is a component of the V(0) domain (Smith et al., 2003 [PubMed 14580332]). [supplied by OMIM]. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

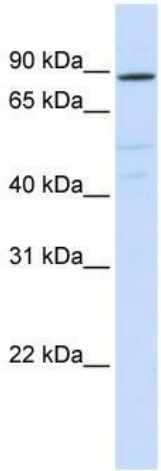
Synonyms: A2; ARCL; ARCL2A; ATP6A2; ATP6N1D; J6B7; RTF; STV1; TJ6; TJ6M; TJ6S; VPH1; WSS

Note: Immunogen Sequence Homology: Rat: 100%; Human: 100%; Mouse: 100%; Dog: 93%; Horse: 93%; Pig: 92%; Bovine: 86%; Guinea pig: 83%; Yeast: 79%; Zebrafish: 77%

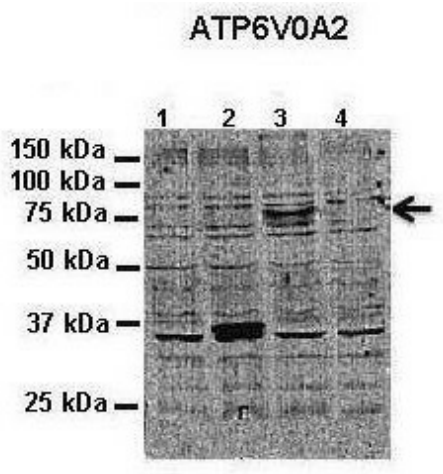
Protein Families: Transmembrane

Protein Pathways: Epithelial cell signaling in Helicobacter pylori infection, Lysosome, Metabolic pathways, Oxidative phosphorylation, Vibrio cholerae infection

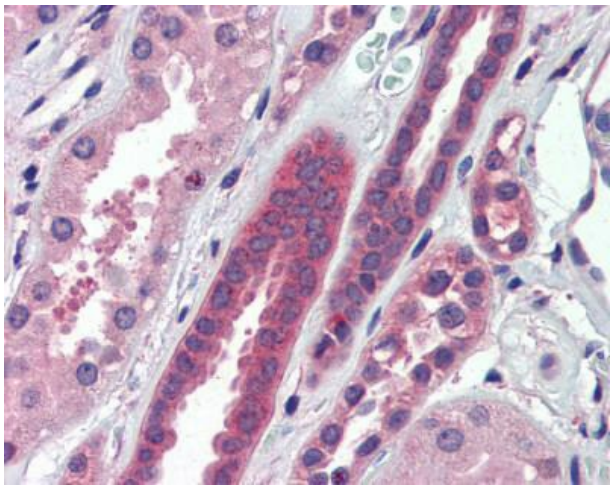
Product images:



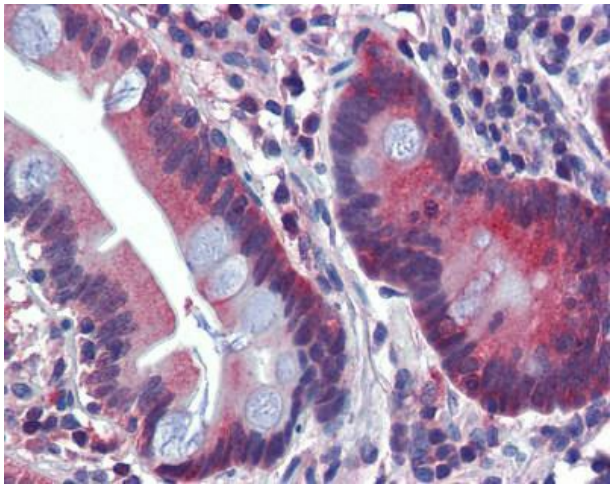
ATP6V0A2 antibody - N-terminal region validated by WB using HeLa cells at 1: 300.



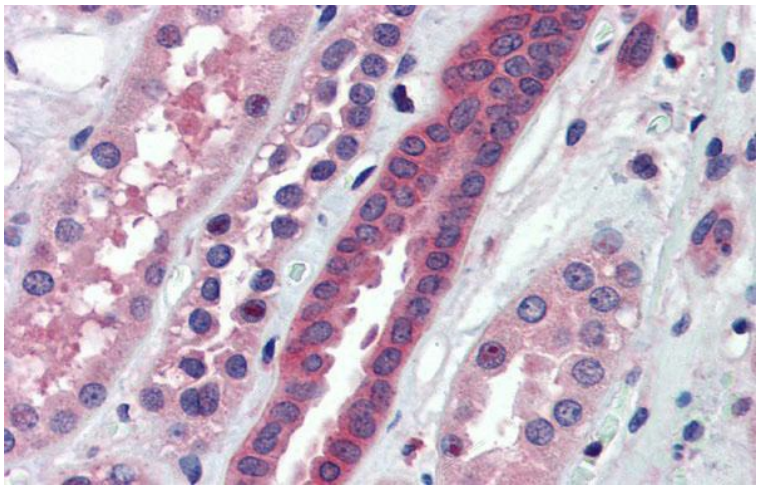
Application: Western blotting; Species+tissue/cell type: HeLa cells; How many ug'sof tissue/cell lysate run on the gel: 1. 10 ug untransfected HeLa lysate2. 10 ug mATP6V0A2 (Partial) transfected HeLa lysate3. 10 ug mATP6V0A2-FLAG transfected HeLa lysate4. 10 ug mATP6V0A1-FLAG transfected HeLa lysate; Primary antibody dilution: 1: 300; Secondary antibody: Anti-rabbit-HRP; Secondary antibody dilution: 1: 1000



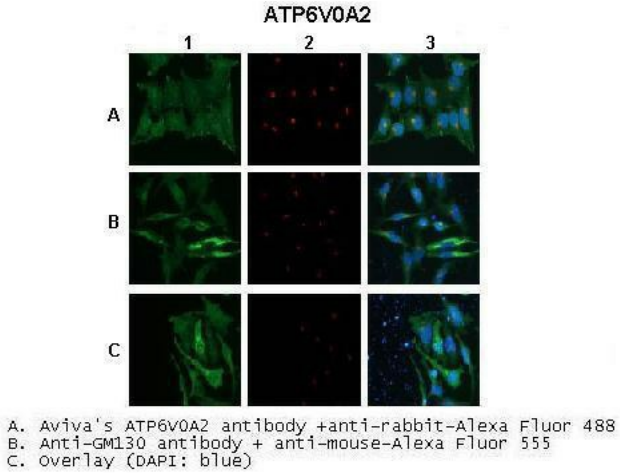
Anti-ATP6V0A2 antibody IHC staining of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.



Anti-ATP6V0A2 antibody IHC staining of human small intestine. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.



Immunohistochemistry with Human kidney lysate tissue at an antibody concentration of 5.0 ug/ml using anti-ATP6V0A2 antibody



A. Aviva's ATP6V0A2 antibody +anti-rabbit-Alexa Fluor 488
B. Anti-GM130 antibody + anti-mouse-Alexa Fluor 555
C. Overlay (DAPI: blue)

Application: IHC/Immunofluorescence; Species+tissue/cell type: A. untransfected HeLa cellsB. mATP6V0A2-FLAG transfected HeLa cellsC. mATP6V0A2 (partial) transfected HeLa cells; Primary antibody dilution: 1: 250; Secondary antibody: Anti-rabbit AlexaFluor 488; Secondary antibody dilution: 1: 1000