Datasheet for ABIN2775376

anti-ATP6V0A2 antibody (N-Term)

6 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	ATP6V0A2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Saccharomyces cerevisiae, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP6V0A2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human ATP6V0A2
Sequence:	INRADIPLPE GEASPPAPPL KQVLEMQEQL QKLEVELREV TKNKEKLRKN
Predicted Reactivity:	Cow: 86%, Dog: 93%, Guinea Pig: 83%, Horse: 93%, Human: 100%, Mouse: 100%, Pig: 92%, Rat: 100%, Yeast: 79%, Zebrafish: 77%
Characteristics:	This is a rabbit polyclonal antibody against ATP6V0A2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ATP6V0A2
Alternative Name:	ATP6V0A2 (ATP6V0A2 Products)
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. Alias Symbols: ATP6N1D, ATP6a2, J6B7, Stv1, TJ6, TJ6M, TJ6s, Vph1, a2, A2, RTF, WSS, ARCL, STV1, TJ6S, VPH1, ARCL2A, ATP6A2 Protein Interaction Partner: UBC, RPL10L, PTRH2, ATP6V1D, RPS15, RPS2, SLC25A3, AKT1, ELAVL1, CYTH2, Protein Size: 856
Molecular Weight:	98 kDa
Gene ID:	23545
NCBI Accession:	NM_012463, NP_036595
UniProt:	Q9Y487
Pathways:	Transition Metal Ion Homeostasis, Proton Transport

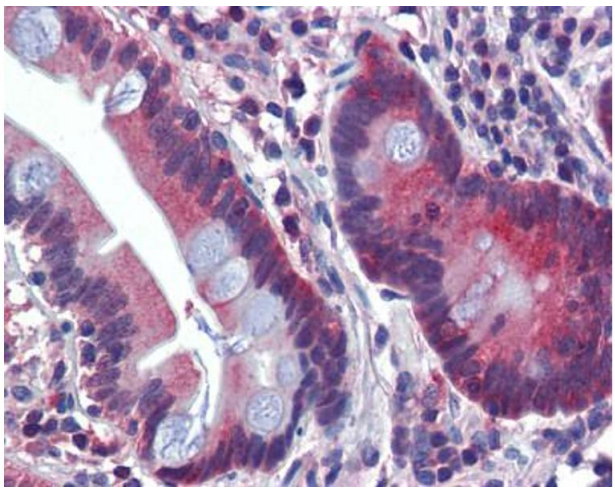
Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 856 AA
Restrictions:	For Research Use only

Handling

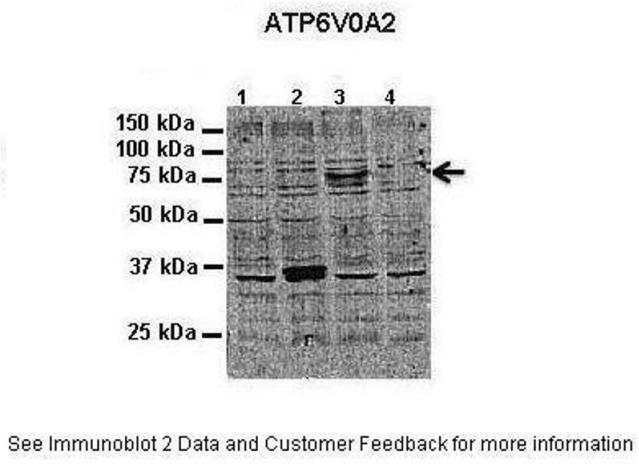
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Immunohistochemistry

Image 1.

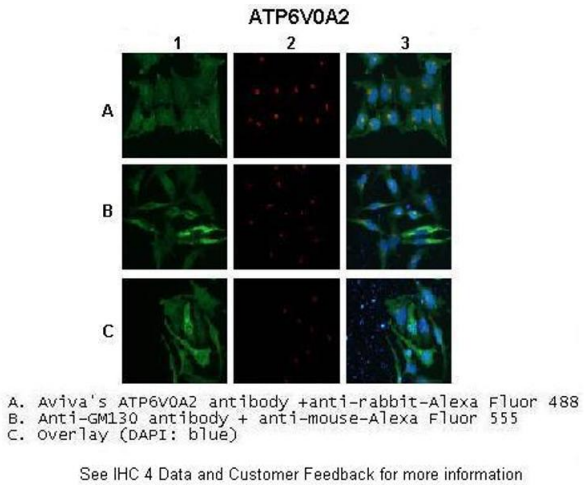


See Immunoblot 2 Data and Customer Feedback for more information

Western Blotting

Image 2. 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

Images



Immunohistochemistry

Image 3. 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

Please check the product details page for more images. Overall 6 images are available for ABIN2775376.