Datasheet for ABIN2773857

anti-ATP6V0C antibody (Middle Region)

4 Images

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Overview

Quantity:	100 µL
Target:	ATP6V0C
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Cow, Dog, Horse, Pig, Rabbit, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human ATP6V0C
Sequence:	VVAVLIANSL NDDISLYKSF LQLGAGLSVG LSGLAAGFAI GIVGDAGVRG
Predicted Reactivity:	Cow: 86%, Dog: 86%, Horse: 93%, Human: 100%, Pig: 79%, Rabbit: 86%, Rat: 90%, Sheep: 86%
Characteristics:	This is a rabbit polyclonal antibody against ATP6V0C. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ATP6V0C
Alternative Name:	ATP6V0C (ATP6V0C Products)
Background:	This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that

Target Details

	mediates acidification of eukaryotic intracellular organelles. V-ATPase dependent organelle acidification is necessary for such intracellular processes as protein sorting, zymogen activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation. V-ATPase is composed of a cytosolic V1 domain and a transmembrane V0 domain. The V1 domain consists of three A and three B subunits, two G subunits plus the C, D, E, F, and H subunits. The V1 domain contains the ATP catalytic site. The V0 domain consists of five different subunits: a, c, c', c", and d. Additional isoforms of many of the V1 and V0 subunit proteins are encoded by multiple genes or alternatively spliced transcript variants. This encoded protein is part of the V0 domain. This gene had the previous symbols of ATP6C and ATP6L. Alias Symbols: ATP6C, ATP6L, ATPL, VATL, Vma3, VPPC Protein Interaction Partner: SMIM3, UBC, PSMA3, MSR1, EDA, CERS2, CLIC1, RNF182, MARK3, ARF6, Protein Size: 155
Molecular Weight:	16 kDa
Gene ID:	527
NCBI Accession:	NM_001694, NP_001685
UniProt:	P27449
Pathways:	Transition Metal Ion Homeostasis, Proton Transport

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 155 AA
Restrictions:	For Research Use only

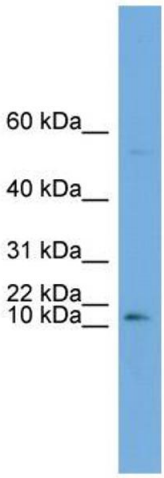
Handling

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

Handling

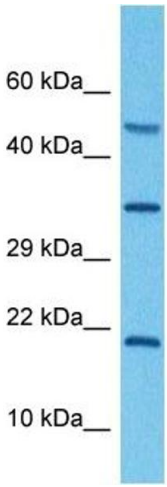
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



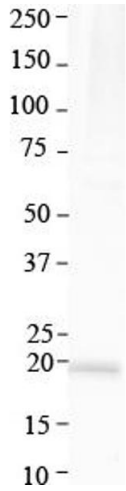
Western Blotting

Image 1. WB Suggested Anti-ATP6V0C Antibody Titration: 0.2-1 ug/ml Positive Control: OVCAR-3 cell lysate. ATP6V0C is strongly supported by BioGPS gene expression data to be expressed in OVCAR3



Western Blotting

Image 2. Host: Rabbit Target Name: ATP6V0C Sample Tissue: Human RPMI 8226 Whole Cell Antibody Dilution: 1ug/ml



Western Blotting

Image 3. Host: Rabbit Target Name: ATP6V0C Sample Type: Human Lung Antibody Dilution: 1.0 ug/ml

Please check the product details page for more images. Overall 4 images are available for ABIN2773857.