Datasheet for ABIN2774453

anti-ATP6V0D1 antibody (C-Term)

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1 Image

Overview

Quantity:	100 µL
Target:	ATP6V0D1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Guinea Pig, Rabbit, Zebrafish (Danio rerio), Dog, Horse, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP6V0D1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C-terminal region of Human ATP6V0D1
Sequence:	GGTTADAMCP ILEFEADRRA FIITINSFGT ELSKEDRAKL FPHCGRLYPE
Predicted Reactivity:	Cow: 100%, Dog: 93%, Guinea Pig: 100%, Horse: 93%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Yeast: 86%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against ATP6V0D1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	ATP6V0D1

Target Details

Alternative Name:	ATP6V0D1 (ATP6V0D1 Products)
Background:	This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that 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 known as the D subunit and is found ubiquitously. Alias Symbols: ATP6D, ATP6DV, FLJ43534, P39, VATX, VMA6, VPATPD Protein Interaction Partner: UBC, STAU1, RPA3, RPA2, RPA1, LIG4, ERC1, ATP6V1B1, ATXN1, Protein Size: 351
Molecular Weight:	39 kDa
Gene ID:	9114
NCBI Accession:	NM_004691, NP_004682
UniProt:	P61421
Pathways:	Transition Metal Ion Homeostasis, Proton Transport, ER-Nucleus Signaling, Unfolded Protein Response

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 351 AA
Restrictions:	For Research Use only

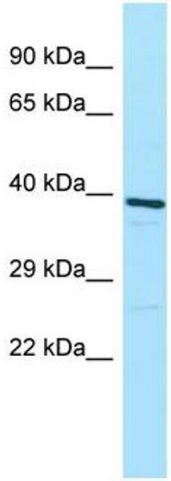
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Handling

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



Western Blotting

Image 1. WB Suggested Anti-ATP6V0D1 Antibody Titration: 1.0 ug/ml Positive Control: Hela Whole cell