Datasheet for ABIN7468016

anti-ATP6V0D1 antibody

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Overview

Quantity:	100 µL
Target:	ATP6V0D1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP6V0D1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human ATP6V0D1. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Zebrafish (Danio rerio)
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	ATP6V0D1
Alternative Name:	ATPase H+ transporting V0 subunit d1 (ATP6V0D1 Products)
Background:	Synonyms: ATPase H+ transporting V0 subunit d1 , ATP6D , ATP6DV , P39 , VATX , VMA6 , VPATPD Background: This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit

Target Details

	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. [provided by RefSeq]
Molecular Weight:	40 kDa
Gene ID:	9114
UniProt:	P61421
Pathways:	Transition Metal Ion Homeostasis, Proton Transport, ER-Nucleus Signaling, Unfolded Protein Response

Application Details

Application Notes:	WB: 1:500-1:3000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: IMR32
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	1XPBS (pH 7), 1 % BSA, 20 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid

multiple freeze-thaw cycles.