Datasheet for ABIN965622

anti-ATP6V0A4 antibody (C-Term)

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Overview

Quantity:	0.1 mg
Target:	ATP6V0A4
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP6V0A4 antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

Product Details

Immunogen:	Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to C-terminal residues of Human ATP6V0A4(ATPase, H+ transporting, lysosomal V0 subunit aisoform 4)
Purification:	Purified by antigen-specific affinity chromatography.

Target Details

Target:	ATP6V0A4
Alternative Name:	ATP6V0A4 (ATP6V0A4 Products)
Background:	ATP6V0A4(ATPase, H+ transporting, lysosomal V0 subunit aisoform 4) is 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

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Target Details

	intracellular processes as protein sorting, zymogen activation, and receptor-mediated endocytosis. V-ATPase is comprised of a cytosolic V1 domain and a transmembrane V0 domain. The V1 domain consists of a hexamer of three A and three B subunits plus the C, D, and E subunits. It contains the ATP catalytic site. The ATP6V0A4 protein is one of three 116 kD subunits family. This family consists of the 116kDa V-type ATPase (vacuolar H+)-ATPases) subunits, as well as V-type ATP synthase subunit i. The V-type ATPases family are proton pumps that acidify intracellular compartments in eukaryotic cells for example yeast central vacuoles, clathrin-coated and synaptic vesicles. They have important roles in membrane trafficking processes. The 116kDa subunit (subunit a) in the V-type ATPase is part of the V0 functional domain responsible for proton transport. The a subunit is a transmembrane glycoprotein with multiple putative transmembrane helices it has a hydrophilic amino terminal and a hydrophobic carboxy terminal. It has roles in proton transport and assembly of the V-type ATPase complex. This subunit is encoded by two homologous gene in yeast VPH1 and STV1
Pathways:	Sensory Perception of Sound, Transition Metal Ion Homeostasis, Proton Transport

Application Details

Application Notes:	ELISA, Western blotting: 1µg/ml for 2hrs.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	This antibody is stored in PBS, 50% glycerol
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C