Datasheet for ABIN7539728

anti-ATP6V0A4 antibody (AA 228-390)

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Overview

Quantity:	100 µL
Target:	ATP6V0A4
Binding Specificity:	AA 228-390
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ATP6V0A4 antibody is un-conjugated
Application:	ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	ATP6V0A4 Antibody
Immunogen:	Purified recombinant fragment of human ATP6V0A4 (AA: 228-390) expressed in E. Coli.
Clone:	4A1F6
Isotype:	IgG1
Purification:	Purified antibody

Target Details

Target:	ATP6V0A4
Alternative Name:	ATP6V0A4 (ATP6V0A4 Products)
Background:	Description: This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit

Target Details

	enzyme that mediates acidification of intracellular compartments of eukaryotic cells. V-ATPase dependent 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. This gene is one of four genes in man and mouse that encode different isoforms of the a subunit. Alternatively spliced transcript variants encoding the same protein have been described. Mutations in this gene are associated with renal tubular acidosis associated with preserved hearing. Aliases: A4, STV1, VPH1, VPP2, DRTA3, RTA1C, RTADR, ATP6N2, RDRTA2, ATP6N1B
Molecular Weight:	96.3 kDa
Gene ID:	50617
UniProt:	Q9HBG4
Pathways:	Sensory Perception of Sound, Transition Metal Ion Homeostasis, Proton Transport

Application Details

Application Notes:	ELISA: 1/10000 FCM: 1/200 - 1/400
Restrictions:	For Research Use only

Handling

Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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:	4 °C,-20 °C
Storage Comment:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.