Datasheet for ABIN651562

anti-ATP6V0A4 antibody (AA 235-261)

2 Images

Go to Product page

Overview

Quantity:	400 µL
Target:	ATP6V0A4
Binding Specificity:	AA 235-261
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP6V0A4 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This ATP6V0A4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 235-261 amino acids from the Central region of human ATP6V0A4.
Clone:	RB26169
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

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

Target Details

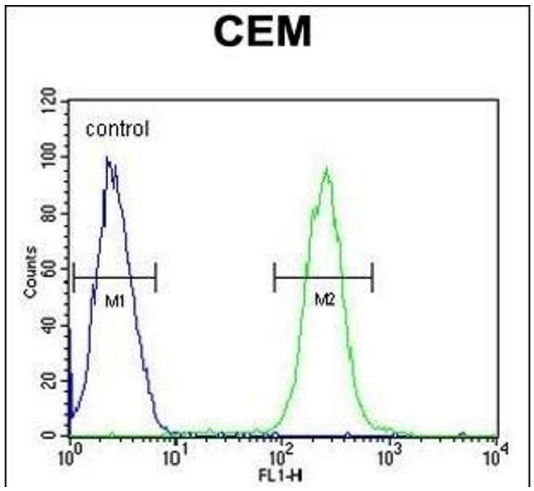
	mediates acidification of intracellular compartments of eukaryotic cells. V-ATPase dependent acidification is necessary for such intracellular processes as protein sorting, zymogen activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation. V-ATPase is composed of a cytosolic 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.
Molecular Weight:	96386
Gene ID:	50617
NCBI Accession:	NP_065683, NP_570855, NP_570856
UniProt:	Q9HBG4
Pathways:	Sensory Perception of Sound, Transition Metal Ion Homeostasis, Proton Transport

Application Details

Application Notes:	WB: 1:1000. FC: 1:10~50
Restrictions:	For Research Use only

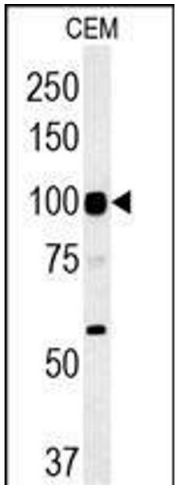
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Flow Cytometry

Image 1. ATP6V0A4 Antibody (Center) (ABIN651562 and ABIN2840303) flow cytometric analysis of CEM cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. ATP6V0A4 Antibody (Center) (ABIN651562 and ABIN2840303) western blot analysis in CEM cell line lysates (35 µg/lane).This demonstrates the ATP6V0A4 antibody detected the ATP6V0A4 protein (arrow).