

Datasheet for ABIN1886536
anti-ATP6V0A4 antibody (AA 53-265)



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Overview

Quantity:	100 µL
Target:	ATP6V0A4
Binding Specificity:	AA 53-265
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP6V0A4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 53 and 265 of human ATP6V0A4
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	ATP6V0A4
Alternative Name:	V-ATPase 116 kDa isoform a4 (ATP6V0A4 Products)
Background:	This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit 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-

Target Details

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. [provided by RefSeq]

Molecular Weight: 96 kDa

Gene ID: 50617

NCBI Accession: [NP_570856](#), [NM_130841](#)

Pathways: [Sensory Perception of Sound](#), [Transition Metal Ion Homeostasis](#), [Proton Transport](#)

Application Details

Application Notes: Suggested dilutions:
Western blotting: 1.500-1.3000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: 0.1 M Tris-buffered saline with 10 % Glycerol (pH 7.0). 0.01 % Thimerosal was added as a preservative.

Preservative: Thimerosal (Merthiolate)

Precaution of Use: Biohazard Informations: This product contains thimerosal which is hazardous.

Storage: 4 °C/-20 °C

Storage Comment: Store at -20 °C for long term preservation (recommended). Store at 4 °C for short term use.