Datasheet for ABIN7539727

# anti-ATP6V0A4 antibody (AA 228-390)

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## Overview

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| 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), Immunohistochemistry (IHC) |

## Product Details

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| Purpose: | ATP6V0A4 Antibody |
| Immunogen: | Purified recombinant fragment of human ATP6V0A4 (AA: 228-390) expressed in E. Coli. |
| Clone: | 9C9H9 |
| Isotype: | IgG1 |
| Purification: | Purified antibody |

## Target Details

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

## Target Details

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| | 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.<br>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

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

## Handling

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| 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. |