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Datasheet

ATP1A1 monoclonal antibody, clone AID-1

Catalog Number: MAB20728

Regulatory Status: For research use only (RUO)

Product Description: Rabbit monoclonal antibody raised against synthetic peptide of human ATP1A1.

Clone Name: AID-1

Immunogen: A synthetic peptide corresponding to human ATP1A1.

Host: Rabbit

Theoretical MW (kDa): 112.896

Reactivity: Human

Applications: Flow Cyt, IHC-P, WB-Ce
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Form: Liquid

Purification: Affinity purification

Isotype: IgG

Recommend Usage: Flow Cytometry (1:50)
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200)
Western Blot (1:500-1:2000)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

Storage Instruction: Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Entrez GeneID: 476

Gene Symbol: ATP1A1

Gene Alias: MGC3285, MGC51750

Gene Summary: The protein encoded by this gene belongs to the family of P-type cation transport ATPases, and to the subfamily of Na+/K+ -ATPases. Na+/K+ -ATPase is an integral membrane protein responsible for establishing and maintaining the electrochemical gradients of Na and K ions across the plasma membrane. These gradients are essential for osmoregulation, for sodium-coupled transport of a variety of organic and inorganic molecules, and for electrical excitability of nerve and muscle. This enzyme is composed of two subunits, a large catalytic subunit (alpha) and a smaller glycoprotein subunit (beta). The catalytic subunit of Na+/K+ -ATPase is encoded by multiple genes. This gene encodes an alpha 1 subunit. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]