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| Cat. No: | AB-84189 |
| Size: | 100 ug |
| Clone: | POLY |
| Concentration: | 1mg/ml |
| Host: | Rb |
| Isotype: | IgG |
| Immunogen: | A synthetic peptide corresponding to a sequence within amino acids 1-100 of human ATP1A1. |
| Reactivity: | Hu, Rt |
| Applications: | Western Blot: 1:500 - 1:2000 Immunohistochemistry: 1:50 - 1:200 Immunofluorescence: 1:50 - 1:200 |
| Molecular Weight: | 115kDa |
| Purification: | Aff, Pur. |
| Synonyms: | ATP1A1transporting subunit alpha 1 |
| Background: | 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. |
| Form: | Liquid |
| Buffer: | PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |
| Storage: | Store at -20°C. Avoid freeze / thaw cycles. |

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