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Na+/K+-ATPase alpha1 Polyclonal Antibody

Cat #: G-AB-05478

Host: Rabbit **Reactivity:** Human, Mouse, Rat

Isotype: IgG **Clonality:** Polyclonal

Overview:
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.

Gene ID:

Accession #:

Immunogen: KLH conjugated Synthetic peptide corresponding to human ATP1A1

Conjugation: Unconjugated

Swissprot: P05023,Q8VDN2,P06685

Calculated Molecular Weight: 113 kDa

Observed Molecular Weight: 100 kDa

Concentration: 0.6 mg/mL

Buffer: PBS with 0.02% sodium azide, 1% BSA and 50% glycerol, pH7.4

Purification Method: Affinity purification

Application: WB,IHC

Dilution: WB 1:500-1:2000, IHC 1:300-1:800

Storage: Store at -20°C. Avoid freeze / thaw cycles.