

Sodium Potassium ATPase alpha-1 (Phospho-Tyr260) Antibody antibody

| Catalog No : | Source: | Concentration : | Mol.Wt. (Da): |
|--------------|---------|-----------------|---------------|
| A21740 | Rabbit | 1 mg/ml | |

| | |
|------------------------------|--|
| Applications | WB,ELISA |
| Reactivity | Human,Rat,Mouse |
| Dilution | WB 1:500-2000, ELISA 1:10000-20000 |
| Storage | -20°C/1 year |
| Specificity | The antibody detects endogenous Sodium Potassium ATPase alpha-1 when Phospho occurs at Tyr260) |
| Source / Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Immunogen | Synthetic peptide from human protein at AA range: 230-290 |
| Uniprot No | P05023 |
| Alternative names | Sodium/potassium-transporting ATPase subunit alpha-1 (Na ⁺)/K ⁺ ATPase alpha-1 subunit) (EC 3.6.3.9) (Sodium pump subunit alpha-1) |
| Form | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Clonality | Polyclonal |
| Isotype | IgG |
| Conjugation | |
| Background | ATPase Na ⁺ /K ⁺ transporting subunit alpha 1(ATP1A1) Homo sapiens 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, May 2009], |
| Other | ATP1A1, Sodium/potassium-transporting ATPase subunit alpha-1 (Na ⁺)/K ⁺ ATPase alpha-1 subunit) (EC 3.6.3.9) (Sodium pump subunit alpha-1) |

Product Images:**Application Key:**

WB-Western IP-Immunoprecipitation IHC-Immunohistochemistry CHIP-Chromatin Immunoprecipitation
IF-Immunofluorescence F-Flow Cytometry E-P-ELISA-Peptide

Species Cross-Reactivity Key:

H-Human M-Mouse R-Rat Hm-Hamster Mk-Monkey Vir-Virus Mi-Mink C-Chicken Dm-D. melanogaster
X-Xenopus Z-Zebrafish B-Bovine Dg-Dog Pg-Pig Sc-S. cerevisiae Ce-C. elegans Hr-Horse All-All
Species Expected

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