

Na⁺/K⁺-ATPase alpha 1 Polyclonal Antibody

Description

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| Product type | Primary Antibody |
| Code | BT-AP11682 |
| Host | Rabbit |
| Isotype | IgG |
| Size | 20ul, 50uL, 100ul |
| Immunogen | Synthesized peptide derived from human Na ⁺ /K ⁺ -ATPase α1 Polyclonal |
| Mol wt | N/A |
| Species reactivity | Human, Mouse, Rat |
| Clonality | Polyclonal |
| Recommended application | WB, ELISA |
| Concentration | 1 mg/ml |
| Full name | Sodium/potassium-transporting ATPase subunit alpha-1 |
| Synonyms | Sodium/potassium-transporting ATPase subunit alpha-1 ;Na ⁺ /K ⁺ + ATPase alpha-1 subunit;EC 3.6.3.9;Sodium pump subunit alpha-1; Sodium/potassium-transporting ATPase subunit alpha-1; Na ⁺ /K ⁺ + ATPase alpha-1 subunit; EC 3.6.3.9; Sodium pump subunit alpha-1 |

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

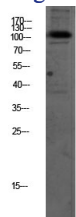
Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 10000 - 1: 20000

Not yet tested in other applications.

Images



Western blot analysis of mouse-brain lysate, antibody was diluted at 1000. Secondary antibody was diluted at 1:20000

Storage

-20°C for 1 year