BT LAB
Bioassay Technology Laboratory
Optimize Your Research

Na+/K+-ATPase alpha 1 Polyclonal Antibody

Description

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.

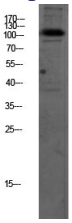
Recommended Dilution

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

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