BT LAB
Bioassay Technology Laboratory
Optimize Your Research

beta 1 Sodium Potassium ATPase Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP14452
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthetic Peptide of beta 1 Sodium Potassium ATPase
Mol wt	N/A
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB
Concentration	
Full name	Sodium/potassium-transporting ATPase subunit beta-1
Synonyms	Sodium/potassium-transporting ATPase subunit beta-1; Sodium/potassium-transporting ATPase subunit beta-1; Sodium/potassium-dependent ATPase subunit beta-1

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

Background

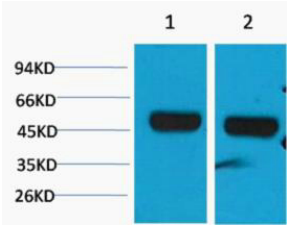
The protein encoded by this gene belongs to the family of Na+/K+ and H+/K+ ATPases beta chain proteins, and to the subfamily of Na+/K+ -ATPases. Na+/K+ -ATPase is an integral membrane protein responsible for establishing and maintaining the electrochemical gradients of Na and K ions across the plasma 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 beta subunit regulates, through assembly of alpha/beta heterodimers, the number of sodium pumps transported to the plasma membrane. The glycoprotein subunit of Na+/K+ -ATPase is encoded by multiple genes. This gene encodes a beta 1 subunit. Alternatively spliced transcript

Recommended Dilution

WB: 1: 1000 - 1: 2000

Not yet tested in other applications.

Images



Western blot analysis of 1) Mouse Brain, 2) Rat Brain, diluted at 1:2000. Secondary antibody was diluted at 1:20000

Storage

-20°C for 1 year

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