

Na⁺/K⁺-ATPase Alpha1 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP05760
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human ATPase. AA range:5-54
Mol wt	112896
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Na ⁺ /K ⁺ -ATPase alpha1 Antibody
Synonyms	ATP1A1; Sodium/potassium-transporting ATPase subunit alpha-1; Na ⁽⁺⁾ /K ⁽⁺⁾ ATPase alpha-1 subunit; Sodium pump subunit alpha-1

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

Background

Sodium/potassium-transporting ATPase subunit alpha-1 encoded by ATP1A1 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

IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

ELISA: 1: 10000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for one year