

Na⁺/K⁺-ATPase Alpha2 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP05764
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human ATP1A2. AA range:971-1020
Mol wt	112265
Species reactivity	Human, Mouse, Rat, Monkey
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	Na ⁺ /K ⁺ -ATPase alpha2 Antibody
Synonyms	ATP1A2; KIAA0778; Sodium/potassium-transporting ATPase subunit alpha-2; Na ⁽⁺⁾ /K ⁽⁺⁾ ATPase alpha-2 subunit; Sodium pump subunit alpha-2

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

Background

The protein encoded by ATP1A2 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. ATP1A2 encodes an alpha 2 subunit. Mutations in this gene result in familial basilar or hemiplegic migraines, and in a rare syndrome known as alternating hemiplegia of childhood.

Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 20000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for one year