

Na⁺/K⁺-ATPase alpha 1(Phospho-Tyr260) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP01189
Host	Rabbit
Isotype	IgG
Size	100ul, 50ul, 20ul
Immunogen	Synthesized phospho derived from human Na ⁺ /K ⁺ -ATPase α 1 (Phospho-Tyr260) 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.

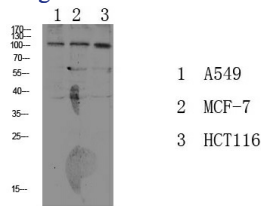
Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 10000 - 1: 20000

Not yet tested in other applications.

Images



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

Storage

-20°C for 1 year