

Na+/K+-ATPase alpha 1 Polyclonal Antibody

Description

Product type Primary Antibody

Code BT-AP11683

Host Rabbit

Isotype IgG

Size 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from rat ATP1 alpha1/Na+K+ ATPase1.

AA range:15-64

Mol wt 113054

Species reactivity Rat

Clonality Polyclonal

Recommended application WB, IF, ICC, ELISA

Concentration 1 mg/ml

Full name Sodium/potassium-transporting ATPase subunit alpha-1

Synonyms Sodium/potassium-transporting ATPase subunit alpha-1; 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

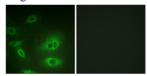
The ATPase Na+/K+ transporting subunit alpha 1 encoded by ATP1A1 belongs to the family of P-type cation transport ATPases, and to the subfamily of Na+/K+ -ATPases. Na+/K+ -ATPase is an integral membrane protein responsible for establishing and maintaining the electrochemical gradients of Na and K ions 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

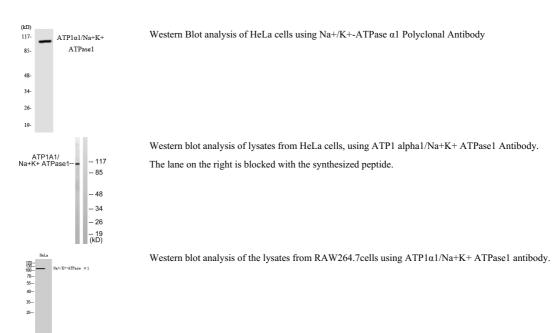
WB: 1: 500 - 1: 2000 IF: 1: 200 - 1: 1000 ICC: 1: 200 - 1: 1000 ELISA: 1: 40000

Not yet tested in other applications.

Images



Immunofluorescence analysis of HeLa cells, using ATP1 alpha1/Na+K+ ATPase1 Antibody. The picture on the right is blocked with the synthesized peptide.



Storage

-20°C for 1 year

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