
ATP1A1 Rabbit pAb

Catalog Number: bs-4255R

Target Protein: ATP1A1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000)

Reactivity: Human, Mouse (predicted:Rat, Rabbit, Pig, Chicken, GuineaPig)

Predicted MW: 113 kDa

Entrez Gene: 476

Swiss Prot: P05023

Source: KLH conjugated synthetic peptide derived from human ATP1A1: 901-1023/1023.

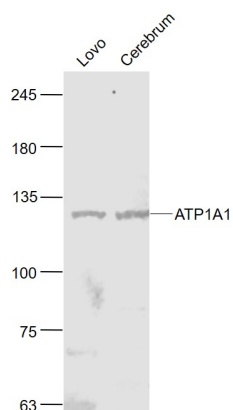
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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. [provided by RefSeq, May2009].

VALIDATION IMAGES



Sample: Lovo(Human) Cell Lysate at 30 ug Cerebrum (Mouse) Lysate at 40 ug Primary: Anti- ATP1A1 (bs-4255R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 113 kD Observed band size: 113 kD

PRODUCT SPECIFIC PUBLICATIONS

[IF=6.044] Zhang WN et al. Structural characterization and in vitro hypoglycemic activity of a glucan from Euryale ferox Salisb. seeds. Carbohydr Polym. 2019 Apr 1;209:363-371. WB ; Human . 30732819

[IF=3.098] Zhang et al. Astragalus Polysaccharide Improves Insulin Sensitivity via AMPK Activation in 3T3-L1 Adipocytes. (2018) Molecules. 23 WB ; Mouse . 30347867

[IF=3.391] Shanshan Wu et al. Disrupted potassium ion homeostasis in ciliary muscle in negative lens-induced myopia in Guinea pigs. Arch Biochem Biophys. 2020 Jul 30;688:108403. WB ; guinea pigs . 32418893