

Recombinant

DGRmAb®

Sodium Potassium ATPase (DGR11403) Rabbit mAb

db11038

Package : 10µL 20µL 50µL 100µL

Product Name : Sodium Potassium ATPase (DGR11403) Rabbit mAb

Cat.No.: db11038

Synonyms : ATP1A1

Application : WB, IHC-P, ICC/IF, FC

Reactivity : Human,Mouse,Rat

Host species : Rabbit

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, May 2009]

Immunogen

A synthetic peptide of human Sodium Potassium ATPase

Gene ID

476

Swiss Prot

P05023

Synonyms

ATP1A1

Reactivity

Human,Mouse,Rat

Application

WB, IHC-P, ICC/IF, FC

Recommended dilution

WB: 1:5000-1:50000

IHC-P: 1:50-1:100

ICC/IF: 1:200-1:500

FC: 1:20-1:100

Calculated MW

113 kDa

Observed MW

100 kDa

Host species

Rabbit

| | |
|--------------------------|---|
| Clonality | Monoclonal |
| Clonality No. | DGR11403 |
| Isotype | IgG |
| Purity | Affinity Purification |
| Conjugation | Un-conjugated |
| Storage Stability | Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt. |