

Recombinant

DGRmAb®

Sodium Potassium ATPase (DGR11403) Rabbit mAb (AF488)

db11038-DL488

Package : 100µL

Product Name : Sodium Potassium ATPase (DGR11403) Rabbit mAb (AF488)**Cat.No.:** db11038-DL488**Synonyms** : ATP1A1**Application** : 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

IHC-P, ICC/IF, FC

Recommended dilution

ICC/IF: 1:100

Calculated MW

113 kDa

Host species

Rabbit

Clonality

Monoclonal

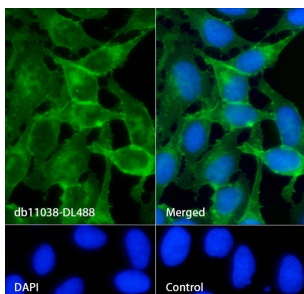
Clonality No.

DGR11403

Isotype

IgG

Purity	Affinity Purification
Conjugation	AF488
Concentration	1 mg/mL
Storage Stability	Store at -20°C. Avoid exposure to light. Supplied in PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3. Stable for 12 months from date of receipt.



Immunofluorescence analysis of HeLa cells labelling Sodium Potassium ATPase with db11038-DL488.

The cells were fixed with cold 100% methanol (10min, 4°C) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db11038-DL488 (1:100, shown in green) at room temprature for 1h. Nuclear DNA was labeled in blue with DAPI.

Control: DAPI only.