

Sodium Potassium ATPase (AB2466) mouse mAb

W0087

Key Features

Host Species

- Mouse

Reactivity

- Human; Mouse; Rat;

Applications

- IHC; IF; ELISA

MW

- kDa (calculated)
- kDa (observed)

Isotype

- IgG3, kappa

Recommended Dilution Ratios

Application

IHC; IF; ELISA

Dilution

IHC, 1:200-1:1000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL.

Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB2466

Immunogen A synthetic peptide corresponding to the amino acid region 150 - 250 of the human Sodium Potassium ATPase protein.

Specificity This antibody detects endogenous levels of Sodium Potassium ATPase protein.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name ATP1A1
ATP1A2
ATP1A3
Protein Name Sodium Potassium ATPase

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P05023; P50993; P13637;	

Background

ATPase Na⁺/K⁺ transporting subunit alpha 1 (ATP1A1) Homo sapiens 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],

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