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Anti-Sodium Potassium ATPase Rabbit mAb [63B76]

Catalog No.: A52228

Basic Information

Catalog No. (Cat.No.)	A52228
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Synonyms	Sodium Potassium ATPase,Na^+/K^+-ATPase,Na+/K+ ATPase alpha-1,ATPase Na+/K+ transporting subunit alpha-1

Product Information

Target	Sodium Potassium ATPase
Molecular Weight(Calculated)	113 kDa
Molecular Weight(Observed)	100 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	63B76
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:20000-1:50000
IHC	1:2000-1:10000
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Sodium-potassium transporting ATPase
Gene Name	*ATP1A1*
Domain	NA
Background	Na+/K+-ATPase (Sodium-potassium adenosine triphosphatase) is a P-type ATPase transporter family protein that catalyzes transmembrane Na+/K+ exchange to sustain plasma membrane electrochemical gradient. Hydrolyzing one ATP molecule, it extrudes three Na+ out and imports two K+ into cytoplasm, maintaining resting potential, osmotic balance and nutrient co-transport. Ubiquitously present on plasma membrane, it is highly enriched in epithelium, neuron and cardiomyocyte. It supports nerve impulse propagation, cardiac contraction and renal tubular reabsorption. Its inhibition disturbs ionic homeostasis and induces apoptosis. Subunit remodeling of Na+/K+-ATPase occurs in human tumors and correlates with proliferation and migration.