

Sodium Potassium ATPase (PT0834R) PT™ Rabbit mAb (AbFluor 555)

CatalogNo: YM2214 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- IF,

MW

- 113kD (Calculated)
100kD (Observed)

Isotype

- IgG, Kappa

Conjugate

- AbFluor 555

Recommended Dilution Ratios

IF 1:200-1000

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Basic Information

Clonality Monoclonal

Clone Number PT0834R

Immunogen Information

Specificity Endogenous

Target Information

Gene name	ATP1A1		
Protein Name	Sodium/potassium-transporting ATPase subunit alpha-1 (Na(+)/K(+)) ATPase alpha-1 subunit) (Sodium pump subunit alpha-1)		
	Organism	Gene ID	UniProt ID
	Human		P05023 ; P50993 ; P13637 ; Q13733 ;
	Rat	24211 ;	P06685 ;
Cellular Localization	Membranous		
Function	Catalytic activity:ATP + H(2)O + Na(+)(In) + K(+)(Out) = ADP + phosphate + Na(+)(Out) + K(+)(In).,Function:This is the catalytic component of the active enzyme, which catalyzes the hydrolysis of ATP coupled with the exchange of sodium and potassium ions across the plasma membrane. This action creates the electrochemical gradient of sodium and potassium ions, providing the energy for active transport of various nutrients.,PTM:Phosphorylation on Tyr-10 modulates pumping activity.,similarity:Belongs to the cation transport ATPase (P-type) family.,similarity:Belongs to the cation transport ATPase (P-type) family. Type IIC subfamily.,subcellular location:Identified by mass spectrometry in melanosome fractions from stage I to stage IV.,subunit:Composed of three subunits: alpha (catalytic), beta and gamma. Binds the HLA class II histocompatibility antigen, DR1.,		

| Validation Data

| Contact information

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Please scan the QR code to access additional product information:

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