

alpha 1 Sodium Potassium ATPase Rabbit mAb
Catalog # AP76913**Specification****alpha 1 Sodium Potassium ATPase Rabbit mAb - Product Information**

Application	WB, IHC-P, FC, ICC
Primary Accession	P05023
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	112896

alpha 1 Sodium Potassium ATPase Rabbit mAb - Additional Information**Gene ID** 476**Other Names**

ATP1A1

Format

Liquid

alpha 1 Sodium Potassium ATPase Rabbit mAb - Protein Information**Name** ATP1A1**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 (PubMed:29499166, PubMed:30388404). Could also be part of an osmosensory signaling pathway that senses body-fluid sodium levels and controls salt intake behavior as well as voluntary water intake to regulate sodium homeostasis (By similarity).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q8VDN2}; Multi-pass membrane protein. Basolateral cell membrane {ECO:0000250|UniProtKB:P06685}; Multi-pass membrane protein. Cell membrane, sarcolemma; Multi-pass membrane protein. Cell projection, axon {ECO:0000250|UniProtKB:P06685}. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV

alpha 1 Sodium Potassium ATPase Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

alpha 1 Sodium Potassium ATPase Rabbit mAb - Images