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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

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

alpha 1 Sodium Potassium ATPase Rabbit mAb - Images