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Na+/K+-ATPase α1 (Phospho-Tyr260) Polyclonal Antibody

Catalog # AP68158

Specification

Na+/K+-ATPase α1 (Phospho-Tyr260) Polyclonal Antibody - Product Information

Application	**WB**
Primary Accession	P05023
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**

Na+/K+-ATPase α1 (Phospho-Tyr260) Polyclonal Antibody - Additional Information

Gene ID 476

Other Names
Sodium/potassium-transporting ATPase subunit alpha-1 (Na(+)/K(+) ATPase alpha-1 subunit) (EC 3.6.3.9) (Sodium pump subunit alpha-1)

Dilution
WB~~WB 1:500-2000, ELISA 1:10000-20000

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

Na+/K+-ATPase α1 (Phospho-Tyr260) Polyclonal Antibody - 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

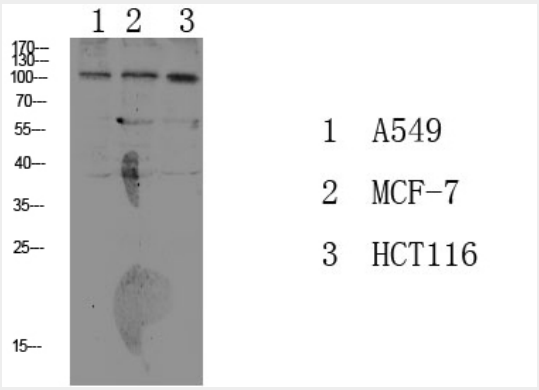
melanosome fractions from stage I to stage IV

Na+/K+-ATPase α1 (Phospho-Tyr260) Polyclonal Antibody - Protocols

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

Na+/K+-ATPase α1 (Phospho-Tyr260) Polyclonal Antibody - Images



Na+/K+-ATPase α1 (Phospho-Tyr260) Polyclonal Antibody - Background

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.