

ATP1A3 Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21650c**Specification**

ATP1A3 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P13637
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	111749

ATP1A3 Antibody (Center) - Additional Information**Gene ID** 478**Other Names**

Sodium/potassium-transporting ATPase subunit alpha-3, Na(+)/K(+) ATPase alpha-3 subunit, Na(+)/K(+) ATPase alpha(III) subunit, Sodium pump subunit alpha-3, ATP1A3

Target/Specificity

This ATP1A3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 444-477 amino acids from the Central region of human ATP1A3.

Dilution

WB~~1:2000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ATP1A3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

ATP1A3 Antibody (Center) - Protein Information**Name** ATP1A3

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.

Cellular Location

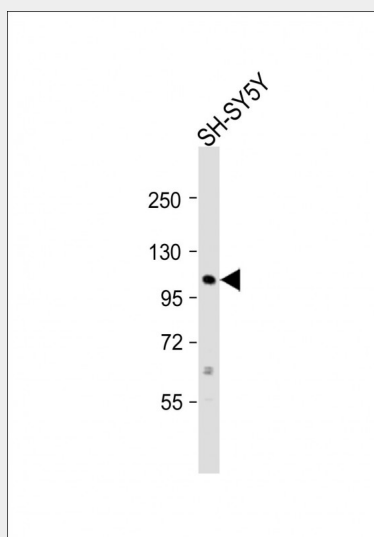
Cell membrane; Multi-pass membrane protein

ATP1A3 Antibody (Center) - 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](#)

ATP1A3 Antibody (Center) - Images



Anti-ATP1A3 Antibody (Center) at 1:2000 dilution + SH-SY5Y whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 112 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

ATP1A3 Antibody (Center) - Background

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ATP1A3 Antibody (Center) - References

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Sverdlov E.D.,et al.Dokl. Akad. Nauk SSSR 297:1488-1494(1987).
Ota T.,et al.Nat. Genet. 36:40-45(2004).

Grimwood J., et al. Nature 428:529-535(2004).
Ovchinnikov Y.A., et al. FEBS Lett. 213:73-80(1987).