

ATP1A3 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP21650c

Product Information

Application WB, E Primary Accession P13637

Reactivity Human, Rat, Mouse

HostRabbitClonalitypolyclonalIsotypeRabbit IgGClone NamesRB51685Calculated MW111749

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.

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

Cell membrane; Multi-pass membrane protein

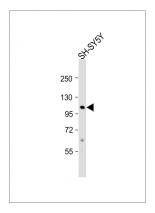
Background

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.

References

Ovchinnikov Y.A., et al. FEBS Lett. 233:87-94(1988). 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).

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.