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Datasheet for ABIN7170040  
**anti-ATP1A3 antibody (AA 143-278)**

### Overview

|                      |            |
|----------------------|------------|
| Quantity:            | 100 µg     |
| Target:              | ATP1A3     |
| Binding Specificity: | AA 143-278 |
| Reactivity:          | Human      |
| Host:                | Rabbit     |
| Clonality:           | Polyclonal |
| Application:         | ELISA      |

### Product Details

|                   |  |
|-------------------|--|
| Immunogen:        | Recombinant Human Sodium/potassium-transporting ATPase subunit alpha-3 protein (143-278AA) |
| Isotype:          | IgG  |
| Cross-Reactivity: | Human  |
| Purification:     | >95%, Protein G purified   |

### Target Details

|                   |   |
|-------------------|---|
| Target:           | ATP1A3  |
| Alternative Name: | ATP1A3 ( <a href="#">ATP1A3 Products</a> )  |
| Background:       | 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, |

## Target Details

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providing the energy for active transport of various nutrients.

Aliases: AHC2 antibody, Alpha(III) antibody, AT1A3\_HUMAN antibody, Atp1a3 antibody, ATPase Na<sup>+</sup>/K<sup>+</sup> transporting alpha 3 polypeptide antibody, DYT 12 antibody, DYT12 antibody, MGC13276 antibody, Na<sup>(+)</sup>/K<sup>(+)</sup> ATPase alpha(III) subunit antibody, Na<sup>(+)</sup>/K<sup>(+)</sup> ATPase alpha-3 subunit antibody, Na<sup>+</sup>/K<sup>+</sup> ATPase 3 antibody, Na<sup>+</sup>/K<sup>+</sup> ATPase alpha 3 subunit antibody, RDP antibody, Sodium potassium ATPase alpha 3 polypeptide antibody, Sodium pump 3 antibody, Sodium pump subunit alpha-3 antibody, Sodium/potassium transporting ATPase alpha 3 chain antibody, Sodium/potassium-transporting ATPase subunit alpha-3 antibody

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UniProt: [P13637](#)

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Pathways: [Thyroid Hormone Synthesis](#), [Proton Transport](#), [Ribonucleoside Biosynthetic Process](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C, -80 °C

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Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.