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Datasheet for ABIN6242173

anti-ATP1A3 antibody (AA 444-477)

1 Image

Overview

Quantity:	50 µL
Target:	ATP1A3
Binding Specificity:	AA 444-477
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	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.
Clone:	RB51685
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	ATP1A3
Alternative Name:	ATP1A3 (ATP1A3 Products)
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

Target Details

energy for active transport of various nutrients.

Molecular Weight: 111749

UniProt: [P13637](#)

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

Application Details

Application Notes: WB: 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

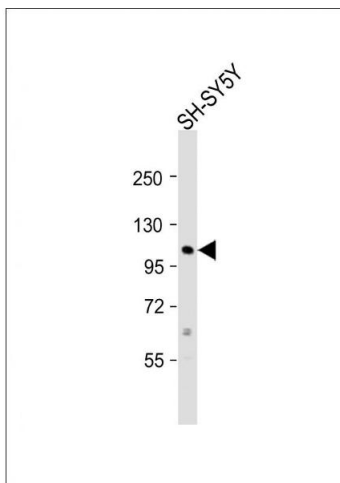
Preservative: Sodium azide

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

Storage: 4 °C, -20 °C

Expiry Date: 6 months

Images



Western Blotting

Image 1. 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.