

Anti-ATP1A2 Rabbit Monoclonal Antibody

Catalog # ABO16016

Product Information

Application	WB
Primary Accession	P50993
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-ATP1A2 Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	477
Other Names	Sodium/potassium-transporting ATPase subunit alpha-2, Na(+)/K(+) ATPase alpha-2 subunit, 7.2.2.13, Sodium pump subunit alpha-2, ATP1A2, KIAA0778
Calculated MW	112265
Application Details	WB 1:500-1:2000
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 25A95
Immunogen	A synthesized peptide derived from human ATP1A2
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

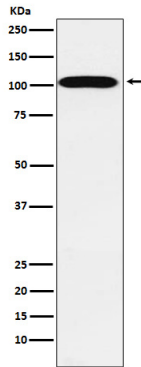
Name	ATP1A2 (HGNC:800)
Synonyms	KIAA0778
Function	Catalytic subunit of the Na(+)/K(+)-ATPase that hydrolyzes ATP to exchange ions across the plasma membrane, exporting 3 Na(+) and importing 2 K(+) per cycle (PubMed: 33880529). It undergoes ATP-driven conformational changes

that allow alternating binding and release of Na(+) and K(+) ions across the membrane (By similarity). This process maintains essential Na(+) and K(+) gradients for membrane potential and cellular function (PubMed:[33880529](#)).

Cellular Location

Membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein

Images



Western blot analysis of ATP1A2 expression in Human fetal heart lysate.

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