10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-ATP1A2 Antibody

Catalog # AP60659

Product Information

Application	WB
Primary Accession	P50993
Reactivity	Human, Mouse, Rat, Pig, Bovine, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	112265

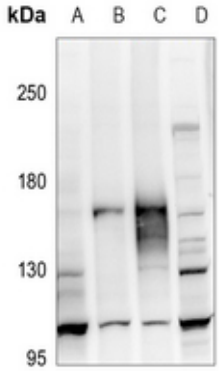
Additional Information

Gene ID	477
Other Names	KIAA0778; Sodium/potassium-transporting ATPase subunit alpha-2; Na(+)/K(+) ATPase alpha-2 subunit; Sodium pump subunit alpha-2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human ATP1A2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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 Hela (A), H1792 (B), Panc1 (C), AML12 (D) whole cell lysates. (Predicted band size: 112 kD; Observed band size: 100 kD)

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