

## Product datasheet for **AP01364PU-N**

### Sodium Potassium ATPase (ATP1A1) Rabbit Polyclonal Antibody

#### Product data:

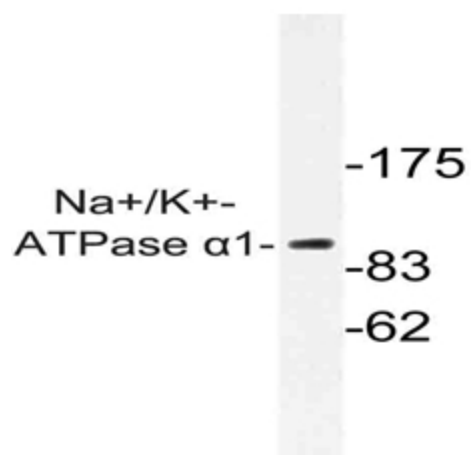
Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	<b>Western Blot:</b> 1/500-1/1000. <b>Immunofluorescence:</b> 1/50-1/200.
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of Na <sup>+</sup> /K <sup>+</sup> -ATPase alpha-1 protein. (region surrounding Gly19)
Formulation:	Phosphate buffered saline (PBS), pH~7.2 containing 0.05% Sodium Azide as preservative. State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE).
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~113 kDa
Gene Name:	ATPase Na <sup>+</sup> /K <sup>+</sup> transporting subunit alpha 1
Database Link:	<a href="#">Entrez Gene 476 Human P05023</a>
Background:	Na,K-ATPase is an integral membrane protein complex that hydrolyzes ATP to maintain the transmembrane gradients of Na <sup>+</sup> and K <sup>+</sup> found in most mammalian cells. The enzyme is comprised of an alpha and beta subunit. The alpha-polypeptide has been shown to be the catalytically active subunit, whereas the beta-polypeptide appears to be necessary for the assembly and transport of the sodium pump to the plasma membrane. Na,K-ATPase a1 subunit, in brain, is expressed in both neuronal and non-neuronal cells.



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Synonyms: Sodium pump ATPase subunit alpha-1, Sodium/potassium-transporting ATPase subunit alpha

**Product images:**



Western blot (WB) analysis of ATP1A1 antibody (Cat.-No.: AP01364PU-N) in extracts from HeLa cells.