

## Rabbit Na<sup>+</sup> K<sup>+</sup> ATPase alpha 1 Polyclonal Antibody

Na<sup>+</sup> K<sup>+</sup> ATPase alpha 1 antibody

| CATALOG # | HOST   | REACTIVITY         | APPLICATIONS                                           |
|-----------|--------|--------------------|--------------------------------------------------------|
| AAA74997  | Rabbit | Bovine, Human, Rat | Western Blot, Immunoprecipitation, Immunocytochemistry |

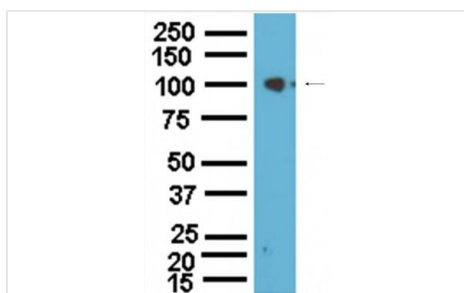
### PRODUCT SYNONYMS

Na<sup>+</sup> K<sup>+</sup> ATPase alpha 1; Polyclonal Antibody; Na<sup>+</sup> K<sup>+</sup> ATPase alpha 1 antibody; Polyclonal Na<sup>+</sup> K<sup>+</sup> ATPase alpha 1; Anti-Na<sup>+</sup> K<sup>+</sup> ATPase alpha 1; ATPase Na/K alpha 1; ATPase Na/K alpha -1; Na<sup>+</sup>/K<sup>+</sup> ATPase alpha 1; Sodium/Potassium ATPase alpha 1; anti-Na<sup>+</sup> K<sup>+</sup> ATPase alpha 1 antibody

### PRODUCT SPECIFICATIONS

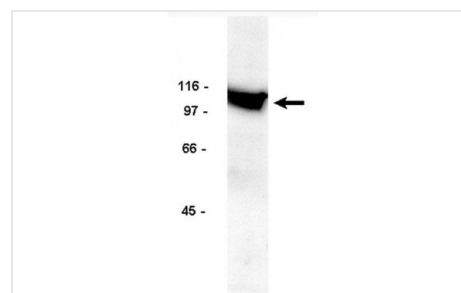
|                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                                                    | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Reactivity                                                                              | Bovine, Human, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Clonality                                                                               | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Isotype                                                                                 | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Purity/Purification                                                                     | Na <sup>+</sup> K <sup>+</sup> ATPase alpha 1 antibody was purified by Protein A chromatography.                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Form/Format                                                                             | Protein A purified rabbit IgG supplied in 100mM Tris-Glycine, pH 7.4, with 150mM NaCl and 0.05% NaN <sub>3</sub> .                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Applicable Applications for anti-Na <sup>+</sup> K <sup>+</sup> ATPase alpha 1 antibody | WB (Western Blot), IP (Immunoprecipitation), ICC (Immunocytochemistry)                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Biological Significance                                                                 | Na <sup>+</sup> /K <sup>+</sup> -ATPase (also known as the Na <sup>+</sup> /K <sup>+</sup> pump or sodium-potassium pump) is an enzyme located in the plasma membrane (specifically an electrogenic transmembrane ATPase). It is found in the plasma membrane of virtually every human cell and is common to all cellular life. It helps maintain cell potential and regulate cellular volume. In order to maintain the appropriate concentrations, the sodium-potassium pump pumps sodium out and potassium in through active transport. |
| Cross-Reactivity                                                                        | Bovine, human, rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Biohazard Information                                                                   | This product contains sodium azide as preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.                                                                                                                                                                                                                                                                                                                                                                                       |
| Immunogen                                                                               | Na <sup>+</sup> /K <sup>+</sup> ATPase alpha 1 antibody was raised in rabbit using GST-tagged ATPase as the immunogen.                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Preparation and Storage                                                                 | Aliquot and store at -20 degree C. Avoid repeated Freeze/Thaw cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

### IMAGES



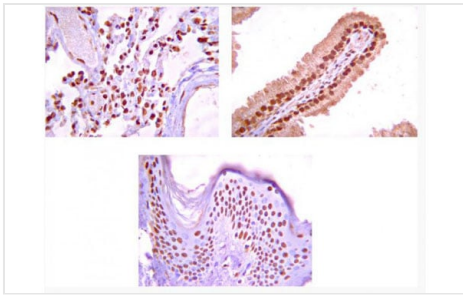
**IP (Immunoprecipitation)**

Immunoprecipitation Analysis: Antibody detects Na<sup>+</sup>/K<sup>+</sup> ATPase at 1:500 dilution in 500 ug of rat brain microsomal lysate.



**WB (Western Blot)**

Western blot analysis of Rat kidney microsome extract probed with anti-Na<sup>+</sup>/K<sup>+</sup> ATPase alpha-1



#### IHC (Immunohistochemistry)

Na/K ATPase (Polyclonal) representative staining pattern/morphology in normal lung epithelium (Top Left), hyperplastic prostate tissue (Top Right) and human skin tissue (Bottom).

## ADDITIONAL INFORMATION

|                                                                     |                                                                                    |
|---------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Related Product Information for anti-Na+ K+ ATPase alpha 1 antibody | Rabbit polyclonal Na+ K+ ATPase alpha 1 antibody                                   |
| Product Categories/Family for anti-Na+ K+ ATPase alpha 1 antibody   | <a href="#">Proteases</a> ; <a href="#">Inhibitors</a> ; & <a href="#">Enzymes</a> |

## NCBI AND UNIPROT INFORMATION

|                  |                                       |
|------------------|---------------------------------------|
| Molecular Weight | 112 kDa (predicted detection band MW) |
|------------------|---------------------------------------|

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/na-k-atpase-alpha-1-antibody-western-blot-immunoprecipitation-immunocytochemistry-elisa/74997>