# ATP1A1 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | ATP1A1, Polyclonal Antibody |
| **Full Product Name** | ATP1A1 (N-Term S23) (Rat) Rabbit pAb |
| **Product Gene Name** | anti-ATP1A1 antibody |
| **Product Synonym Names** | Sodium/potassium-transporting ATPase subunit alpha-1; Na(+)/K(+) ATPase alpha-1 subunit; Sodium pump subunit alpha-1; Atp1a1 |
| **Clonality** | Polyclonal |
| **Isotype** | Ig |
| **Clone Number** | RB43781 |
| **Host** | Rabbit |
| **Species Reactivity** | Rat |
| **Form/Format** | Supplied in PBS with 0.09% (W/V) Sodium Azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Purity/Purification** | Affinity Purified |
| **3D Structure** | ModBase 3D Structure for P06685 |
| **Immunogen** | This Rat Atp1a1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from Rat Atp1a1. |
| **Cellular Localization** | Cell Membrane, Membrane |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for anti-ATP1A1 antibody** | Western Blot (WB) |
| **Application Notes for anti-ATP1A1 antibody** | WB: 1:1000 |
| **Related Product Information for anti-ATP1A1 antibody** | MBS8555847 is an antibody targeting ATP1A1. Also known as ATP1A1 (N-Term S23) (Rat) Rabbit pAb. Reactive in Rat. Host: Rabbit. |
| **Other Notes** | Small volumes of anti-ATP1A1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ATP1A1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 6978543 |
| **NCBI GeneID** | 24211 |
| **NCBI Accession #** | NP_036636.1 |
| **UniProt Primary Accession #** | P06685 |
| **UniProt Related Accession #** | P06685 |

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| **GenBank Nucleotide #** | NP_036636.1 |
| **NCBI Official Full Name** | sodium/potassium-transporting ATPase subunit alpha-1 |
| **NCBI Official Synonym Full Names** | ATPase Na+/K+ transporting subunit alpha 1 |
| **NCBI Official Symbol** | Atp1a1 |
| **NCBI Official Synonym Symbols** | Nkaa1b |
| **UniProt Protein Name** | Sodium/potassium-transporting ATPase subunit alpha-1 |
| **UniProt Synonym Protein Names** | Sodium pump subunit alpha-1 |
| **Protein Family** | Sodium/potassium-transporting ATPase |
| **UniProt Gene Name** | Atp1a1 |
| **UniProt Synonym Gene Names** | Na(+)/K(+) ATPase alpha-1 subunit |
| **NCBI Protein Information** | sodium/potassium-transporting ATPase subunit alpha-1 |
| **NCBI Summary for ATP1A1** | mediates Na+ and K+ transport; may play a role in regulation of blood pressure [RGD, Feb 2006] |
| **UniProt Comments for ATP1A1** | 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 energy for active transport of various nutrients. |
| **Research Articles on ATP1A1** | **1.** Report structural requirements for the Na-K-ATPase to function as a Src-dependent receptor and provide strong evidence of isoform-specific Src interaction involving the identified key amino acids. |
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