

Rabbit anti-Human ATP1alpha1/Na+K+ ATPase1 Polyclonal Antibody | anti-Atp1a1 antibody

ATP1alpha1/Na+K+ ATPase1 (Ab-23) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA304085	Rabbit	Human	Immunofluorescence, Western Blot

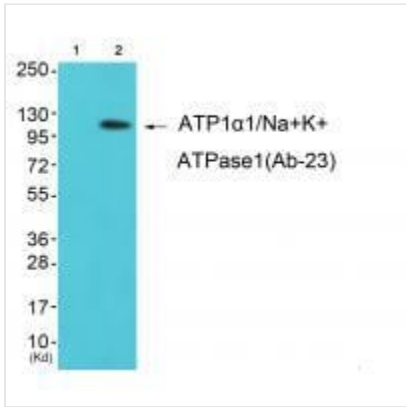
PRODUCT SYNONYMS

ATP1alpha1/Na+K+ ATPase1; Polyclonal Antibody; ATP1alpha1/Na+K+ ATPase1 (Ab-23) Antibody; ATP1a1/Na+K+ ATPase1 (Ab-23) Antibody; A1A1; AT1A1; ATPase; Na+/K+ transporting; alpha 1 polypeptide; anti-Atp1a1 antibody

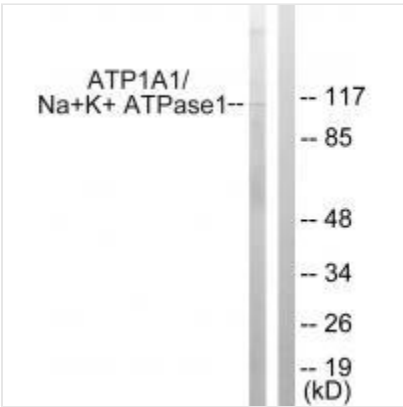
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total ATP1a1/Na+K+ ATPase1 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	1023
Applicable Applications for anti-Atp1a1 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized non-phosphopeptide derived from human ATP1a1/Na+K+ ATPase1 around the phosphorylation site of serine 23 (K-K-S(p)-K-K).
Target Name	ATP1a1/Na+K+ ATPase1
Preparation and Storage	Store at -20 degree C

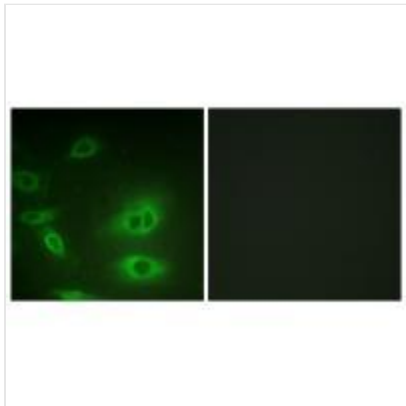
IMAGES



WB (Western Blot)
Western blot analysis of extracts from K562 cells (Lane 2), using ATP1a1/Na+K+ ATPase1 (Ab-23) antibody. The lane on the left is treated with synthesized peptide.



WB (Western Blot)
Western blot analysis of extracts from HeLa cells, using ATP1a1/Na+K+ ATPase1 (Ab-23) antibody.



IF (Immunofluorescence)
Immunofluorescence analysis of HeLa cells, using ATP1a1/Na+K+ ATPase1 (Ab-23) antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-Atp1a1 antibody	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.Shull G.E., Biochemistry 25:8125-8132(1986).Hara Y., J. Biochem. 102:43-58(1987).Herrera V.L.M., J. Cell Biol. 105:1855-1865(1987).
Product Categories/Family for anti-Atp1a1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	6978543
NCBI GeneID	24211
NCBI Accession #	NP_036636.1
NCBI GenBank Nucleotide #	NM_012504.1
UniProt Accession #	P06685; Q64609
Molecular Weight	113,054 Da
NCBI Official Full Name	sodium/potassium-transporting ATPase subunit alpha-1
NCBI Official Synonym Full Names	ATPase, Na+/K+ transporting, alpha 1 polypeptide

NCBI Official Symbol	Atp1a1
NCBI Official Synonym Symbols	Nkaa1b
NCBI Protein Information	sodium/potassium-transporting ATPase subunit alpha-1
UniProt Protein Name	Sodium/potassium-transporting ATPase subunit alpha-1
UniProt Gene Name	Atp1a1
UniProt Synonym Gene Names	Na(+)/K(+) ATPase alpha-1 subunit
UniProt Entry Name	AT1A1_RAT

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/atp1alpha1-nak-atpase1-antibody-immunofluorescence-western-blot-elisa/304085>