

Rabbit Na⁺/K⁺-ATPase alpha1 Polyclonal Antibody | anti-ATP1A1 antibody

Na⁺/K⁺-ATPase alpha1 Polyclonal Antibody

CATALOG # AAA174552	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
-------------------------------	-----------------------	--	---

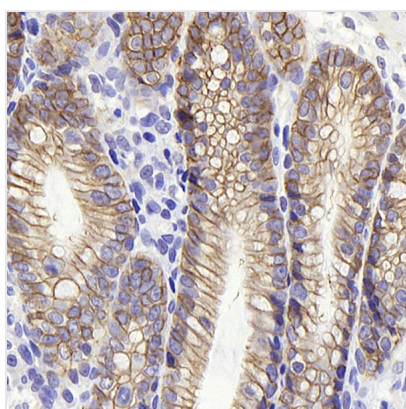
PRODUCT SYNONYMS

Na⁺/K⁺-ATPase alpha1; Polyclonal Antibody; Na⁺/K⁺-ATPase alpha1 Polyclonal Antibody; A1A1; AT1A1; ATP1A1; Atpa-1; ATPase Na⁺/K⁺ transporting alpha 1 polypeptide; ATPase Na⁺/K⁺ transporting subunit alpha 1; BC010319; EC 3.6.3.9; MGC3285; MGC38419; MGC51750; Na K ATPase alpha A catalytic polypeptide; Na K ATPase catalytic subunit alpha A protein; Na(+)/K(+) ATPase 1; Na(+)/K(+) ATPase alpha-1 subunit; Na+; K+ ATPase alpha subunit; Na⁺/K⁺ ATPase alpha 1 subunit; Na⁺/K⁺ ATPase 1; Na; K ATPase alpha 1 subunit; Nkaa1b; Sodium potassium ATPase alpha 1 polypeptide; Sodium pump 1; Sodium pump subunit alpha-1; sodium-potassium ATPase catalytic subunit alpha-1; Sodium/potassium-transporting ATPase subunit alpha-1; anti-ATP1A1 antibody

PRODUCT SPECIFICATIONS

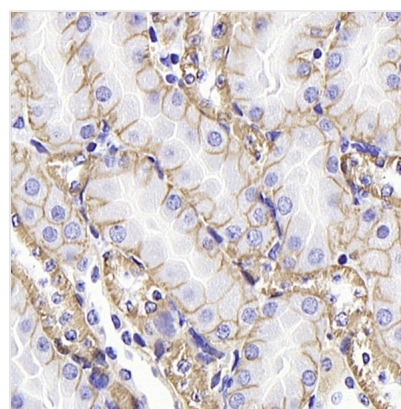
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 100 mug/ml BSA and 50% glycerol.
Concentration	0.6 mg/mL (varies by lot)
Sequence Length	681
Applicable Applications for anti-ATP1A1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	KLH conjugated synthetic peptide corresponding to human ATP1A1
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



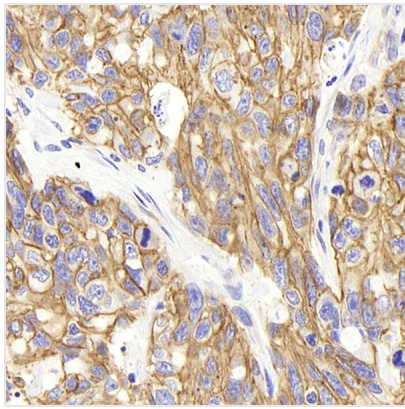
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Rat colon using Na⁺/K⁺-ATPase alpha1 Polyclonal Antibody at dilution of 1:300.



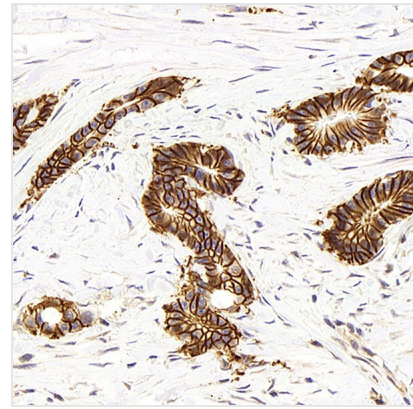
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Mouse kidney using Na⁺/K⁺-ATPase alpha1 Polyclonal Antibody at dilution of 1:300.



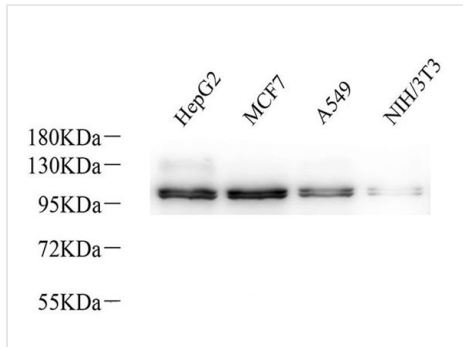
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human lymphoma using Na⁺/K⁺-ATPase alpha1 Polyclonal Antibody at dilution of 1:300.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human colon using Na⁺/K⁺-ATPase alpha1 Polyclonal Antibody at dilution of 1:300.



WB (Western Blot)

Western Blot analysis of various samples using Na⁺/K⁺-ATPase alpha1 Polyclonal Antibody at dilution of 1:800.

ADDITIONAL INFORMATION

Related Product Information for anti-ATP1A1 antibody

The protein encoded by this gene belongs to the family of P-type cation transport ATPases, and to the subfamily of Na⁺/K⁺-ATPases. Na⁺/K⁺-ATPase is an integral membrane protein responsible for establishing and maintaining the electrochemical gradients of Na and K ions across the plasma membrane. These gradients are essential for osmoregulation, for sodium-coupled transport of a variety of organic and inorganic molecules, and for electrical excitability of nerve and muscle. This enzyme is composed of two subunits, a large catalytic subunit (alpha) and a smaller glycoprotein subunit (beta). The catalytic subunit of Na⁺/K⁺-ATPase is encoded by multiple genes. This gene encodes an alpha 1 subunit. Multiple transcript variants encoding different isoforms have been found for this gene.

Product Categories/Family for anti-ATP1A1 antibody

[Cancer](#); [Metabolism](#); [Neuroscience](#); [Signal Transduction](#); [Tags & Cell Markers](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361181
NCBI GeneID	476
NCBI Accession #	NP_000692.2
NCBI GenBank Nucleotide #	NM_000701.8
UniProt Accession #	P05023; Q16689; Q6LDM4; Q9UCN1; Q9UJ20; Q9UJ21; B2RBR6; B7Z2T5; B7Z3U6; F5H3A1
Molecular Weight	Calculated: 113kDa Observed: 100kDa
NCBI Official Full Name	sodium/potassium-transporting ATPase subunit alpha-1 isoform a

NCBI Official Synonym Full Names	ATPase Na ⁺ /K ⁺ transporting subunit alpha 1
NCBI Official Symbol	ATP1A1
NCBI Official Synonym Symbols	CMT2DD
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

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/na-k-atpase-alpha1-antibody-immunohistochemistry-western-blot-elisa/174552>