

Mouse ATPase Na⁺/K⁺ transporting alpha 1 Monoclonal Antibody | anti-ATP1A1 antibody

ATPase Na⁺/K⁺ transporting alpha 1, Monoclonal, Mouse

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA76410	Mouse	Cat, Human, Mouse, Primate, Rat, Rabbit	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay

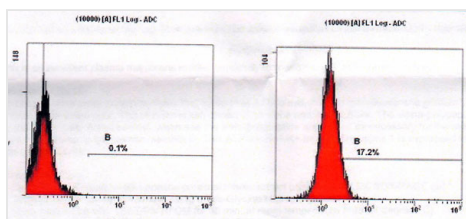
PRODUCT SYNONYMS

ATPase Na⁺/K⁺ transporting alpha 1; Monoclonal Antibody; Monoclonal; Mouse; anti-ATP1A1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Cat, Human, Mouse, Primate, Rat, Rabbit
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	464.6
Form/Format	50ul, Ascites Fluid with 0.1% Sodium Azide as a preservative.
Sequence Length	1023
Applicable Applications for anti-ATP1A1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry)
Type Info	Mouse IgG
Immunogen	Purified Na ⁺ ,K ⁺ -ATPase from rabbit renal outer medulla.
Preparation and Storage	Store frozen. Aliquot as undiluted antisera and immediately place at -20 degree C. Antisera may have become trapped in top of vial during shipping. Centrifugation of vial is recommended before opening. Stable for at least 6months at -20 degree C. Repeated freeze/thaw cycles compromise the integrity of the antiserum.

IMAGES


FCM/FACS (Flow Cytometry)

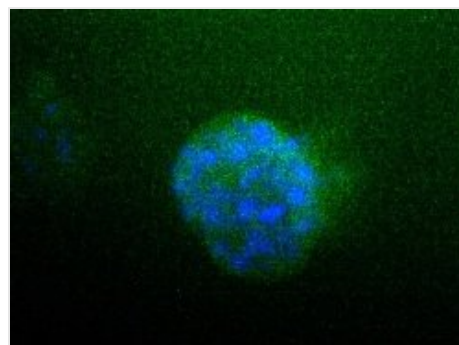
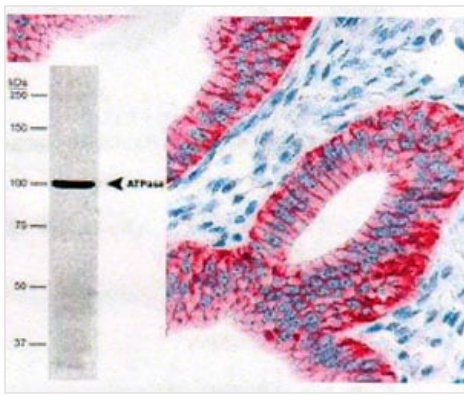
Flow Cytometry / FACS analysis: Detection of ATPase Na⁺/K⁺ alpha 1 in fixed HeLa cells

Application Data

Image: Immunocytochemistry: Detection of ATP1A1 (Green) in HepG2 cells using ATPase Na⁺/K⁺ alpha 1. Nuclei (Blue) were counterstained using Hoechst 33258.



WB (Western Blot)

Western Blotting: Detection of ATPase Na⁺/K⁺ alpha 1 in in porcine proximal tubule protein

ADDITIONAL INFORMATION

Related Product Information for anti-ATP1A1 antibody	is an integral membrane protein complex that hydrolyzes ATP to maintain the transmembrane gradients of Na ⁺ and K ⁺ 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. This ATPase Na ⁺ /K ⁺ transporting alpha 1 is expressed in both neuronal and non-neuronal cells.
Product Categories/Family for anti-ATP1A1 antibody	ATPase Na⁺/K⁺ transporting alpha 1

NCBI AND UNIPROT INFORMATION

NCBI GI #	119577052
NCBI GeneID	476
Molecular Weight	113,000 Da
NCBI Official Full Name	ATPase, Na ⁺ /K ⁺ transporting, alpha 1 polypeptide, isoform CRA_e
NCBI Official Synonym Full Names	ATPase Na ⁺ /K ⁺ transporting subunit alpha 1
NCBI Official Symbol	ATP1A1
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_HUMAN

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/monoclonal/atpase-na-k-transporting-alpha-1-antibody-clone-464-6-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-flow-cytometry-elisa/76410>