ATP1A Polyclonal Antibody

Catalog No: #27234

Package Size: #27234-1 50ul #27234-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

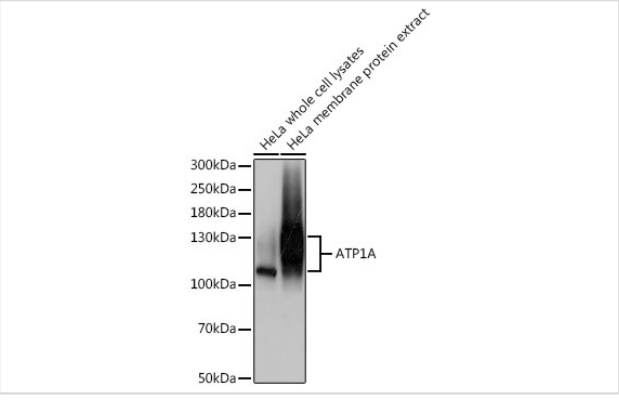
Description

Product Name	ATP1A Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC
Species Reactivity	Human;Mouse;Rat
Immunogen Description	Recombinant fusion protein of human ATP1A (NP_000692.2).
Conjugates	Unconjugated
Other Names	ATP1A1; ATPase Na+/K+ transporting subunit alpha 1
Accession No.	Swiss-Prot#:P05023NCBI Gene ID:476/477/478/480
Calculated MW	113kDa
Formulation	Avoid freeze / thaw cycles.|Buffer: PBS with 50% glycerol, pH7.4.
Storage	Store at -20°C

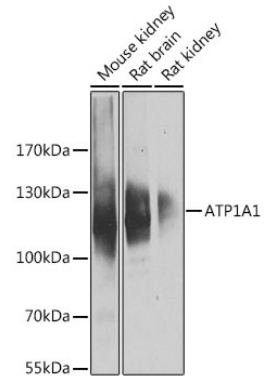
Application Details

WB□1:500 - 1:1000IHC□1:50 - 1:200IP□1:50 - 1:100

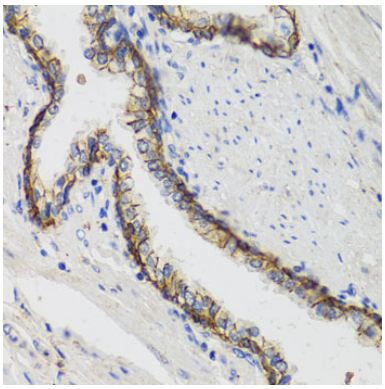
Images



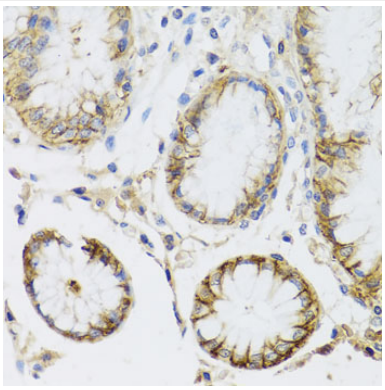
Western blot analysis of extracts of HeLa cells, using ATP1A antibody at 1:500 dilution.



Western blot analysis of extracts of various cell lines, using ATP1A1 antibody at 1:1000 dilution.



Immunohistochemistry of paraffin-embedded human prostate using ATP1A1 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human stomach using ATP1A1 antibody at dilution of 1:100 (40x lens).

Background

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.

Published Papers

el at., ATP8B1 Deficiency Results in Elevated Mitochondrial Phosphatidylethanolamine Levels and Increased Mitochondrial Oxidative Phosphorylation in Human Hepatoma Cells.In Int J Mol Sci. 2022 Oct 15 by Valentina E GГ³mez-Mellado, Jung-Chin Chang , et al..PMID:36293199, , (2022)

PMID:36293199

Note: This product is for in vitro research use only and is not intended for use in humans or animals.