Product Datasheet

ATP1A1 Rabbit Polyclonal Antibody

Catalog No: #55357

Package Size: #55357-1 50ul #55357-2 100ul

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

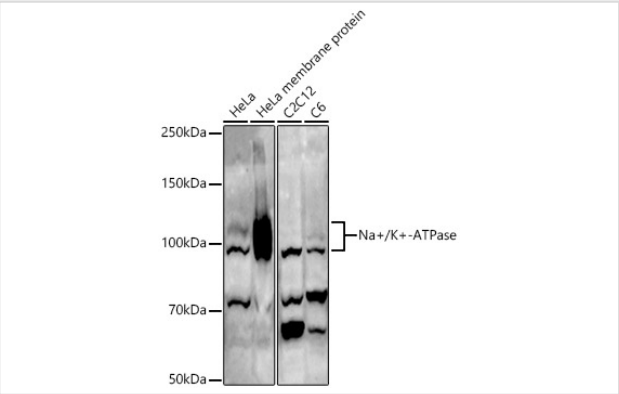
Description

Product Name	ATP1A1 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC
Species Reactivity	Human;Mouse;Rat
Immunogen Description	A synthetic peptide of human Na+/K+-ATPase (NP_000692.2).
Conjugates	Unconjugated
Other Names	ATP1A1;ATPase Na+/K+ transporting subunit alpha 1;ATP1A;CMT2DD;HOMGSMR2
Accession No.	Uniprot:P05023GeneID:476
Calculated MW	74kDa/109kDa/112kDa/113kDa
SDS-PAGE MW	100KDa
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

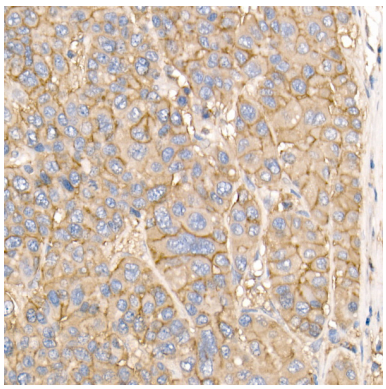
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200

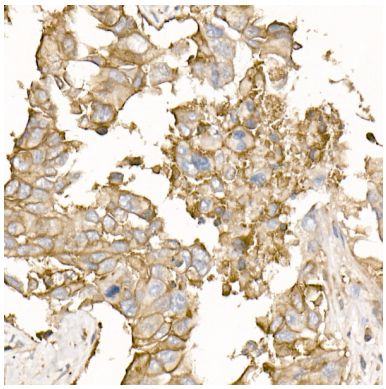
Images



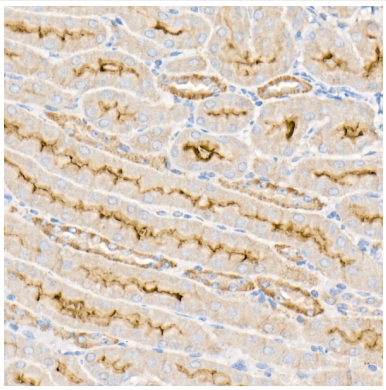
Western blot analysis of extracts of various cell lines, using Na+/K+-ATPase antibody.



Immunohistochemistry of paraffin-embedded human liver cancer using Na+/K+-ATPase Rabbit pAb.



Immunohistochemistry of paraffin-embedded human lung cancer using Na+/K+-ATPase Rabbit pAb.



Immunohistochemistry of paraffin-embedded mouse kidney using Na+/K+-ATPase Rabbit pAb.

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

Huang Shenghui;Xu Zhengyu;Wang Jianhao;Liu Peng;Wang Zhishuo;Ren Yiming;Wan Junming;Feng Shiqing;Shu Tao el at., Macrophage membrane-mediated targeted curcumin biomimetic nanoparticles delivery for diagnosis and treatment of spinal cord injury by suppressing neuroinflammation and ferroptosis, , (2024)

PMID:

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