Na+/K+-ATPase alpha1 Polyclonal Antibody

catalog number: E-AB-70349

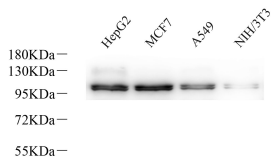
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	KLH conjugated Synthetic peptide corresponding to human ATP1A1
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 1% protein protectant and 50% glycerol.

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:300-1:800

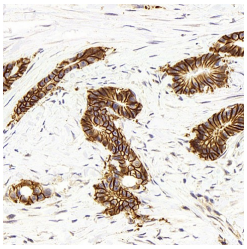
Data



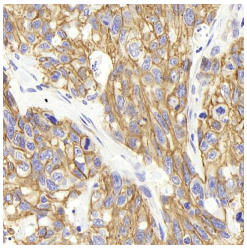
Western Blot analysis of various samples using Na+/K+-ATPase alpha1 Polyclonal Antibodyat dilution of 1:800.

Observed-MW:100 kDa

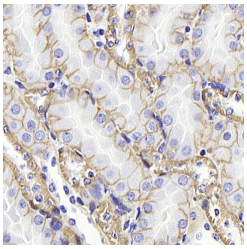
Calculated-MW:113 kDa



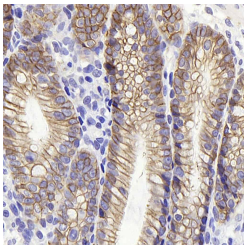
Immunohistochemistry analysis of paraffin-embedded human colon using Na+/K+-ATPase alpha1 Polyclonal Antibody at dilution of 1:300.



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



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



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

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

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.