antibodies .- online.com







anti-ATP1A1 antibody



Images



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|---------|-------|---|
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| \circ | IVICV | ٧ |

| Quantity: | 200 μL |
|--------------|---|
| Target: | ATP1A1 |
| Reactivity: | Human, Rat, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC) |

Product Details

| Immunogen: | KLH conjugated Synthetic peptide corresponding to human ATP1A1 |
|------------------|--|
| Isotype: | IgG |
| Characteristics: | Polyclonal Antibody |
| Purification: | Affinity purification |

Target Details

| Target: | ATP1A1 |
|-------------------|--|
| Alternative Name: | Na+/K+-ATPase alpha1 (ATP1A1 Products) |
| 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 |

Target Details

| | 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. |
| Molecular Weight: | Observed_MW: 100 kDa |
| | Calculated_MW: 113 kDa |
| UniProt: | P05023, Q8VDN2, P06685 |
| Pathways: | Thyroid Hormone Synthesis, Regulation of Hormone Metabolic Process, Regulation of |
| | Hormone Biosynthetic Process, Proton Transport, Ribonucleoside Biosynthetic Process |

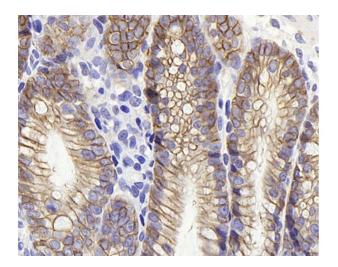
Application Details

| Application Notes: | WB 1:500-1:2000, IHC 1:300-1:800 |
|--------------------|----------------------------------|
| Restrictions: | For Research Use only |

Handling

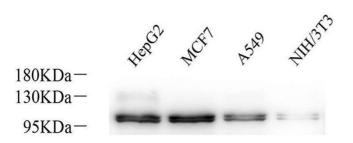
| Format: | Liquid |
|--------------------|--|
| Concentration: | 0.6 mg/mL |
| Buffer: | PBS with 0.02 % sodium azide, 1 % BSA and 50 % glycerol, pH 7.4 |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Avoid freeze / thaw cycles. |

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Immunohistochemistry (Paraffin-embedded Sections)

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



Western Blotting

Image 2. Western Blot analysis of various samples using Na+/K+-ATPase alpha1 Polyclonal Antibodyat dilution of 1:800.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry analysis of paraffinembedded human colon using Na+/K+-ATPase alpha1 Polyclonal Antibody at dilution of 1:300.

Please check the product details page for more images. Overall 5 images are available for ABIN7249960.