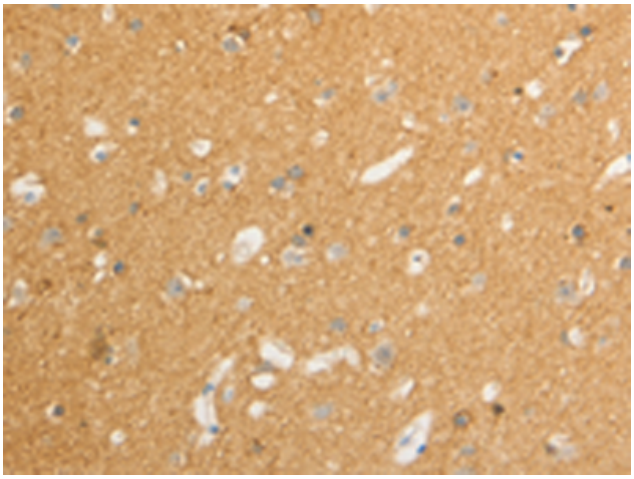
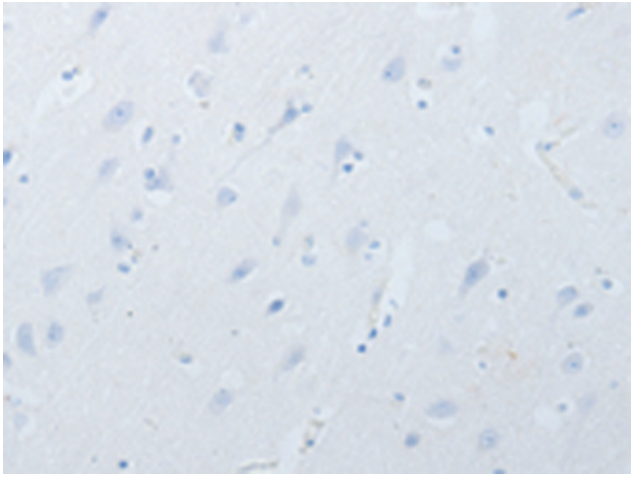
ATP1A1 RABBIT PAB

Cat.#: S213658
Product Name: Anti-ATP1A1 Rabbit Polyclonal Antibody
Synonyms:
UNIPROT ID: P05023 (Gene Accession - NP_000692)
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.
Immunogen: Synthetic peptide of human ATP1A1
Applications: ELISA, IHC
Recommended Dilutions: IHC: 25-100; ELISA: 2000-5000
Host Species: Rabbit
Clonality: Rabbit Polyclonal
Isotype: Immunogen-specific rabbit IgG
Purification: Antigen affinity purification
Species Reactivity: Human, Mouse, Rat
Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol
Research Areas: Metabolism, Cancer, Neuroscience
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human brain tissue using 213658(ATP1A1 Antibody) at a dilution of 1/15(Cytoplasm).



In comparision with the IHC on the left, the same paraffin-embedded Human brain tissue is first treated with the synthetic peptide and then with 213658(Anti-ATP1A1 Antibody) at dilution 1/15.