

ATP1B2 Polyclonal Antibody

Catalog No.	A16768	Category	Polyclonal Antibodies
Applications	IHC	Observed MW	Refer to figures
Cross-reactivity	Mouse, Rat	Calculated MW	33kDa

Immunogen Information

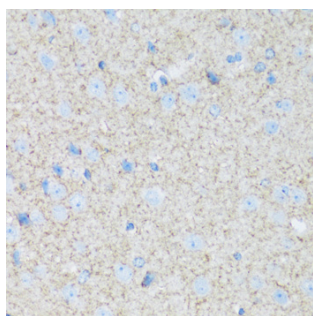
Immunogen	Recombinant protein of human ATP1B2.
Gene ID	482
Swiss prot	P14415
Synonyms	ATP1B2; AMOG; ATPase Na ⁺ /K ⁺ transporting subunit beta 2

Product information

Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Background

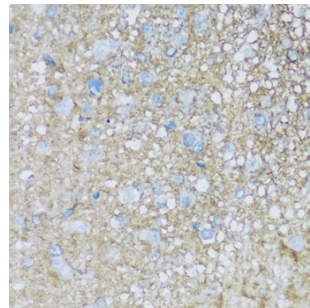
The protein encoded by this gene belongs to the family of Na⁺/K⁺ and H⁺/K⁺ ATPases beta chain proteins, and to the subfamily of Na⁺/K⁺ -ATPases. Na⁺/K⁺ -ATPase is an integral membrane protein responsible for establishing and maintaining the electrochemical gradients of Na and K ions across the plasma 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 beta subunit regulates, through assembly of alpha/beta heterodimers, the number of sodium pumps transported to the plasma membrane. The glycoprotein subunit of Na⁺/K⁺ -ATPase is encoded by multiple genes. This gene encodes a beta 2 subunit. Two transcript variants encoding different isoforms have been found for this gene.



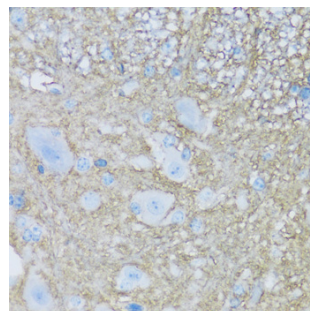
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Recommended Dilutions

IHC 1:50 -
1:200



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