

CAB19278

Product Information

Product SKU:	CAB19278	Gene ID:	477	Size:	20uL, 100uL
Clone No:	ARC2458	Host Species:	Rabbit	Reactivity:	Mouse,Rat

Additional Information

Observed MW:	100kDa	Conjugate:	Unmodified
Calculated MW:	112kDa	Isotype:	IgG

Immunogen Information

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 2 subunit. Mutations in this gene result in familial basilar or hemiplegic migraines, and in a rare syndrome known as alternating hemiplegia of childhood.
Recommended Dilution:	WB,1:500 - 1:1000
Synonyms:	FHM2; MHP2; DEE98; FARIMPD; ATP1A2
Purification Method:	Affinity purification
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human ATP1A2 (P50993).
Storage:	Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.