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ATP1A3 Rabbit mAb

Catalog # AP78248

Product Information

Application	WB
Primary Accession	P13637
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human ATP1A3
Purification	Affinity Purified
Calculated MW	111749

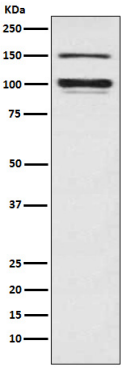
Additional Information

Gene ID	478
Other Names	ATP1A3
Dilution	WB~~1/500-1/1000
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	ATP1A3
Function	Neuron-specific alpha catalytic component of the Na(+)/K(+)- transporting ATPase, which catalyzes the hydrolysis of ATP coupled with the exchange of Na(+) and K(+) ions across the plasma membrane (PubMed:36075933). Transports 3 Na(+) ions out of the cell and 2 K(+) ions into the cell for each ATP hydrolyze against their electrochemical gradients to maintain ion concentration gradients across the membranes (By similarity). In the brain, ATP1A3 is critical for neuronal cell signaling and for maintenance of electrochemical stability, enabling cell excitation and action potential propagation (PubMed:33880529, PubMed:36075933).
Cellular Location	Cell membrane; Multi-pass membrane protein

Images



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