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AT10A Rabbit Polyclonal Antibody

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Catalog # AP93487

Product Information

Application	WB
Primary Accession	O60312
Reactivity	Human, Mouse
Host	Polyclonal, Rabbit,IgG
Clonality	Polyclonal
Calculated MW	167688

Additional Information

Gene ID	57194
Other Names	Phospholipid-transporting ATPase VA, 7.6.2.1, ATPase class V type 10A, Aminophospholipid translocase VA, P4-ATPase flippase complex alpha subunit ATP10A, ATP10A {ECO:0000303|PubMed:25947375}
Dilution	WB~~1:1000
Storage Conditions	-20℃

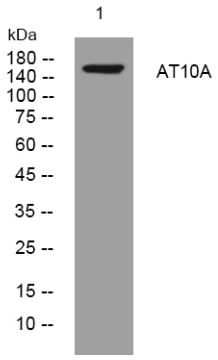
Protein Information

Name	ATP10A {ECO:0000303|PubMed:25947375}
Function	Catalytic component of P4-ATPase flippase complex, which catalyzes the hydrolysis of ATP coupled to the transport of phosphatidylcholine (PC) from the outer to the inner leaflet of the plasma membrane (PubMed:25947375, PubMed:29599178, PubMed:30530492). Initiates inward plasma membrane bending and recruitment of Bin/amphiphysin/Rvs (BAR) domain-containing proteins involved in membrane tubulation and cell trafficking (PubMed:29599178). Facilitates ITGB1/beta1 integrin endocytosis, delaying cell adhesion and cell spreading on extracellular matrix (PubMed:25947375, PubMed:29599178). Has low flippase activity toward glucosylceramide (GlcCer) (PubMed:30530492).
Cellular Location	Cell membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane Note=Exit from the endoplasmic reticulum requires the presence of TMEM30A, but not that of TMEM30B
Tissue Location	Widely expressed, with highest levels in kidney, followed by lung, brain, prostate, testis, ovary and small intestine

Background

The protein encoded by this gene belongs to the family of P-type cation transport ATPases, and to the subfamily of aminophospholipid-transporting ATPases. The aminophospholipid translocases transport phosphatidylserine and phosphatidylethanolamine from one side of a bilayer to another. This gene is maternally expressed. It maps within the most common interval of deletion responsible for Angelman syndrome, also known as 'happy puppet syndrome'. [provided by RefSeq, Jul 2008],

Images



Western blot analysis of lysates from PC-12 cells, primary antibody was diluted at 1:1000, 4°over night