

AT10A Rabbit Polyclonal Antibody
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Catalog # AP93487**Specification**

AT10A Rabbit Polyclonal Antibody - Product Information

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

AT10A Rabbit Polyclonal Antibody - 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}

Storage Conditions

-20°C

AT10A Rabbit Polyclonal Antibody - 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](http://www.uniprot.org/citations/25947375), PubMed: [29599178](http://www.uniprot.org/citations/29599178), PubMed: [30530492](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/29599178)). Facilitates ITGB1/beta1 integrin endocytosis, delaying cell adhesion and cell spreading on extracellular matrix (PubMed: [25947375](http://www.uniprot.org/citations/25947375), PubMed: [29599178](http://www.uniprot.org/citations/29599178)). Has low flippase activity toward glucosylceramide (GlcCer) (PubMed: [30530492](http://www.uniprot.org/citations/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

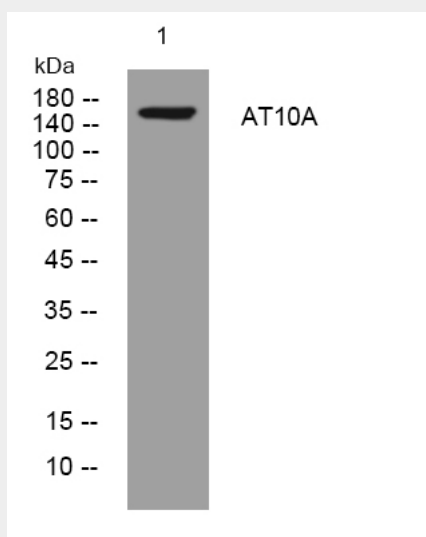
Tissue Location

Widely expressed, with highest levels in kidney, followed by lung, brain, prostate, testis, ovary and small intestine

AT10A Rabbit Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

AT10A Rabbit Polyclonal Antibody - Images

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

AT10A Rabbit Polyclonal Antibody - 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],