

Atp11c antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12458**Specification**

Atp11c antibody - C-terminal region - Product Information

Application	WB
Primary Accession	O9QZW0
Other Accession	NM_001037863 , NP_001032952
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	129kDa KDa

Atp11c antibody - C-terminal region - Additional Information**Gene ID** 320940**Alias Symbol** **A330005H02Rik, AI315324, Ig, MGC117487****Other Names**

Phospholipid-transporting ATPase 11C, 3.6.3.1, ATPase class VI type 11C, P4-ATPase flippase complex alpha subunit ATP11C, Atp11c

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Atp11c antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Atp11c antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Atp11c antibody - C-terminal region - Protein Information**Name** Atp11c {ECO:0000303|PubMed:26799398, ECO:0000312|MGI:MGI:1859661}**Function**

Catalytic component of a P4-ATPase flippase complex which catalyzes the hydrolysis of ATP coupled to the transport of aminophospholipids, phosphatidylserines (PS) and phosphatidylethanolamines (PE), from the outer to the inner leaflet of the plasma membrane (PubMed:24904167, PubMed:26799398, PubMed:30018401),

PubMed:24898253). Major PS-flippase in immune cell subsets (PubMed:30018401). In erythrocyte plasma membrane, it is required to maintain PS in the inner leaflet preventing its exposure on the surface. This asymmetric distribution is critical for the survival of erythrocytes in circulation since externalized PS is a phagocytic signal for erythrocyte clearance by splenic macrophages (PubMed:24898253). Required for B cell differentiation past the pro-B cell stage (PubMed:21423173). Seems to mediate PS flipping in pro-B cells (PubMed:21423172, PubMed:26799398). May be involved in the transport of cholestatic bile acids (PubMed:21518881).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q8NB49}; Multi-pass membrane protein. Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q8NB49}; Multi-pass membrane protein. Early endosome membrane {ECO:0000250|UniProtKB:Q8NB49}; Multi-pass membrane protein. Recycling endosome membrane {ECO:0000250|UniProtKB:Q8NB49}; Multi-pass membrane protein. Note=Efficient exit from the endoplasmic reticulum requires the presence of TMEM30A. Internalized via clathrin-dependent endocytosis in response to Ca^{2+} signaling induced by G-protein coupled serotonin and histamine receptors, HTR2A and HRH1 respectively {ECO:0000250|UniProtKB:Q8NB49}

Tissue Location

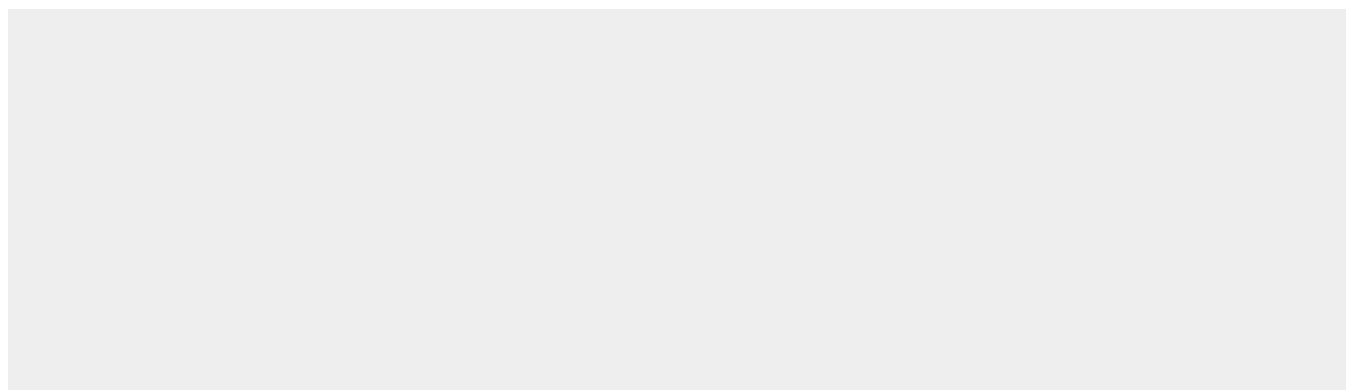
Widely expressed. Expressed in retina, brain, liver and testes (at protein level) (PubMed:30018401). Expressed in lung, bone marrow, lymph nodes, prostate, ovary and uterus (PubMed:24904167) Expressed in fetus (PubMed:24904167).

Atp11c antibody - C-terminal region - 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](#)

Atp11c antibody - C-terminal region - Images





168 kDa
144 kDa
90 kDa
65 kDa
40 kDa

WB Suggested Anti-Atp11c Antibody Titration: 0.2-1 μ g/ml

ELISA Titer: 1:62500

Positive Control: Mouse Brain