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Atp11c antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12458

Product Information

Application	WB
Primary Accession	Q9QZW0
Other Accession	NM_001037863, NP_001032952
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	129240

Additional Information

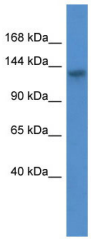
Gene ID	320940
Alias Symbol	A330005H02Rik, AI315324, Ig, MGC117487
Other Names	Phospholipid-transporting ATPase 11C, 3.6.3.1, ATPase class VI type 11C, P4-ATPase flippase complex alpha subunit ATP11C, Atp11c
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 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.

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:24898253, PubMed:24904167, PubMed:26799398, PubMed:30018401). 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 CDC50A. 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).

Images



WB Suggested Anti-Atp11c Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: Mouse Brain

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.