Datasheet for ABIN7111846

anti-ATP8A1 antibody

Go to Product page

Overview

Quantity:	100 µg
Target:	ATP8A1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP8A1 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Immunogen:	ATPase, aminophospholipid transporter(APLT), class I, type 8A, member 1
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	ATP8A1
Alternative Name:	ATP8A1 (ATP8A1 Products)
Background:	Synonyms:ATP8A1, ATPase II, ATPASEII, ATPIA, ATPP2, Chromaffin granule ATPase II Background:Catalytic component of a P4-ATPase flippase complex which catalyzes the hydrolysis of ATP coupled to the transport of aminophospholipids from the outer to the inner leaflet of various membranes and ensures the maintenance of asymmetric distribution of

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Target Details

	phospholipids. Phospholipid translocation seems also to be implicated in vesicle formation and in uptake of lipid signaling molecules. In vitro, its ATPase activity is selectively and stereospecifically stimulated by phosphatidylserine(PS). The flippase complex ATP8A1:TMEM30A seems to play a role in regulation of cell migration probably involving flippase-mediated translocation of phosphatidylethanolamine(PE) at the plasma membrane. Acts as aminophospholipid translocase at the plasma membrane in neuronal cells.
Molecular Weight:	120kd
Gene ID:	10396
UniProt:	Q9Y2Q0

Application Details

Application Notes:	WB: 1:500-1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	-20°C for 12 months (Avoid repeated freeze / thaw cycles.)
Expiry Date:	12 months

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