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Datasheet for ABIN7163367

anti-ATP8A1 antibody (AA 448-545) (Biotin)

Overview

Quantity:	100 µg
Target:	ATP8A1
Binding Specificity:	AA 448-545
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP8A1 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Phospholipid-transporting ATPase 1A protein (448-545AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	ATP8A1
Alternative Name:	ATP8A1 (ATP8A1 Products)
Background:	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

Target Details

leaflet of various membranes and ensures the maintenance of asymmetric distribution of 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.

Aliases: ATP8A1 antibody, ATP8A1 Phospholipid-transporting ATPase IA antibody, EC 7.6.2.1 antibody, ATPase class I type 8A member 1 antibody, Chromaffin granule ATPase II antibody, P4-ATPase flippase complex alpha subunit ATP8A1 antibody

UniProt: [Q9Y2Q0](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.