



Datasheet for ABIN1841845 anti-ATP8B1 antibody (C-Term)

4 Images



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Overview

Quantity: 100 µL

Target: ATP8B1

Binding Specificity: C-Term

Reactivity: Human

Host: Rabbit

Clonality: Polyclonal

Conjugate: This ATP8B1 antibody is un-conjugated

Application: Please inquire

Product Details

Immunogen: A synthetic peptide from c-terminal region of human ATP8B1 conjugated to an immunogenic carrier protein was used as the antigen.

Specificity: Specific for ATP8B1.

Cross-Reactivity: Human, Mouse, Rat

Cross-Reactivity (Details): Other species not yet tested.

Purification: Whole serum

Target Details

Target: ATP8B1

Alternative Name: ATP8B1 ([ATP8B1 Products](#))

Target Details

Background:	FUNCTION: 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 phospholipids. Phospholipid translocation seems also to be implicated in vesicle formation and in uptake of lipid signaling molecules. May play a role in asymmetric distribution of phospholipids in the canicular membrane. May have a role in transport of bile acids into the canaliculus, uptake of bile acids from intestinal contents into intestinal mucosa or both. In cooperation with ABCB4 may be involved in establishing integrity of the canalicular membrane thus protecting hepatocytes from bile salts. Together with TMEM30A is involved in uptake of the synthetic drug alkylphospholipid perifosine. Involved in the microvillus formation in polarized epithelial cells, the function seems to be independent from its flippase activity. Required for the preservation of cochlear hair cells in the inner ear. May act as cardiolipin transporter during inflammatory injury. Subcellular location: Membrane, Multi-pass membrane protein Tissue specificity: Found in most tissues except brain and skeletal muscle. Most abundant in pancreas and small intestine.,Phospholipid Transport,Probable phospholipid-transporting ATPase IC, ATPase class I type 8B member 1, Familial intrahepatic cholestasis type 1, ATPIC, FIC1, PFIC
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UniProt: [043520](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

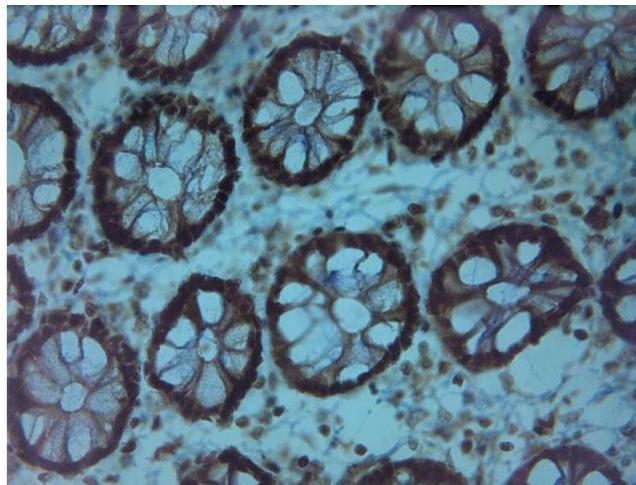
Reconstitution: Reconstitute in 100 µL of sterile water. Centrifuge to remove any insoluble material.

Handling Advice: Avoid freeze and thaw cycles.

Storage: 4 °C/-20 °C

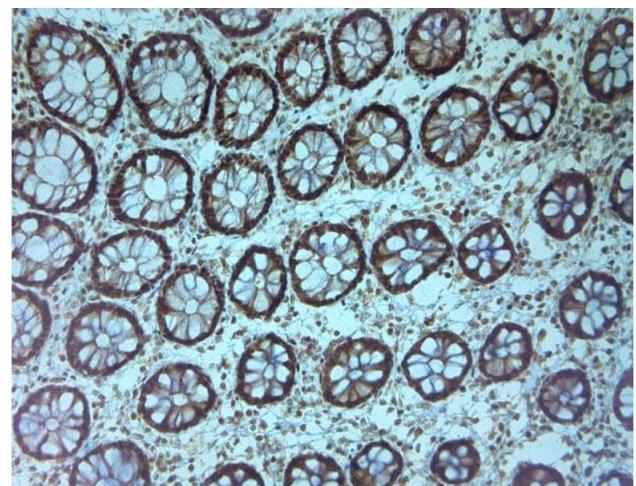
Storage Comment: Maintain the lyophilised/reconstituted antibodies frozen at -20°C for long term storage and refrigerated at 2-8°C for a shorter term. When reconstituting, glycerol (1:1) may be added for an additional stability. Avoid freeze and thaw cycles.

Expiry Date: 12 months



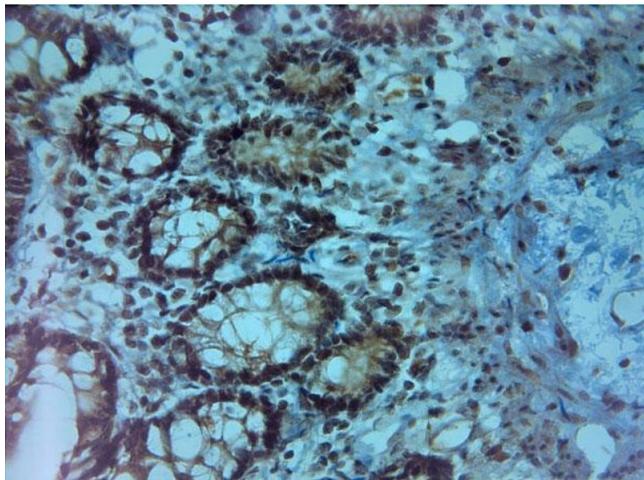
Immunohistochemistry

Image 1. IHC on paraffin sections of human bowel tissue using Rabbit antibody to ATP8B1: .HIER: 1 mM EDTA, pH 8 for 20 min using Thermo PT Module.Blocking: 0.2% LFDM in TBST filtered thru 0.2 µm. Detection was done using Novolink HRP polymer from Leica following manufacturer's instructions.Primary antibody: dilution 1: 1000, incubated 30 min at RT (using Autostainer)Sections were counterstained with Harris Hematoxylin.



Immunohistochemistry

Image 2. IHC on paraffin sections of human bowel tissue using Rabbit antibody to ATP8B1: .HIER: 1 mM EDTA, pH 8 for 20 min using Thermo PT Module.Blocking: 0.2% LFDM in TBST filtered thru 0.2 µm.Detection was done using Novolink HRP polymer from Leica following manufacturer's instructions.Primary antibody: dilution 1: 1000, incubated 30 min at RT (using Autostainer)Sections were counterstained with Harris Hematoxylin.



Immunohistochemistry

Image 3. IHC on paraffin sections of human bowel tissue using Rabbit antibody to ATP8B1: .HIER: 1 mM EDTA, pH 8 for 20 min using Thermo PT Module.Blocking: 0.2% LFDM in TBST filtered thru 0.2 µm.Detection was done using Novolink HRP polymer from Leica following manufacturer's instructions.Primary antibody: dilution 1: 1000, incubated 30 min at RT (using Autostainer)Sections were counterstained with Harris Hematoxylin.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN1841845.