



Mouse anti-Human ATP8B1 monoclonal antibody, clone 4G21 (CABT-B9822)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	ATP8B1 (NP_005594, 471 a.a. ~ 552 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	4G21
Conjugate	Unconjugated
Applications	sELISA,ELISA
Sequence Similarities	INGQIYGDHRDASQHNHNKIEQVDFSWNTYADGKLAFYDHYLIEQIQSGKEPEVRQFFFL LAVCHTVMVDRTDGQLNYQAA*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction This gene encodes a member of the P-type cation transport ATPase family, which belongs to the subfamily of aminophospholipid-transporting ATPases. The aminophospholipid

translocases transport phosphatidylserine and phosphatidylethanolamine from one side of a bilayer to another. Mutations in this gene may result in progressive familial intrahepatic cholestasis type 1 and in benign recurrent intrahepatic cholestasis. [provided by RefSeq, Jul 2008]

Keywords

ATP8B1; ATPase, aminophospholipid transporter, class I, type 8B, member 1; BRIC; FIC1; ICP1; PFIC; ATPIC; PFIC1; phospholipid-transporting ATPase IC; E1-E2 ATPase; ATPase, class I, type 8B, member 1; familial intrahepatic cholestasis type 1; probable phospholipid-transporting ATPase IC; P4-ATPase flippase complex alpha subunit ATP8B1;

GENE INFORMATION

Entrez Gene ID

[5205](#)

UniProt ID

[O43520](#)

Pathway

Ion channel transport, organism-specific biosystem; Ion transport by P-type ATPases, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem

Function

ATP binding; ATPase activity; ATPase activity, coupled to transmembrane movement of ions, phosphorylative mechanism; hydrolase activity; hydrolase activity, acting on acid anhydrides, catalyzing transmembrane movement of substances; magnesium ion binding; nucleotide binding; phospholipid-translocating ATPase activity; phospholipid-translocating ATPase activity
