

ABCB4 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP6112A

Product Information

Application WB, IHC-P, E **Primary Accession** P21439

Reactivity Human, Rat, Mouse

HostRabbitClonalityPolyclonalIsotypeRabbit IgGAntigen Region624-654

Additional Information

Other Names Multidrug resistance protein 3, ATP-binding cassette sub-family B member 4,

P-glycoprotein 3, ABCB4, MDR3, PGY3

Target/SpecificityThis ABCB4 antibody is generated from rabbits immunized with a KLH

conjugated synthetic peptide between 624-654 amino acids from the Central

region of human ABCB4.

Dilution WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.

Format Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein A column, followed by peptide

affinity purification.

Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions ABCB4 Antibody (Center) is for research use only and not for use in diagnostic

or therapeutic procedures.

Protein Information

Background

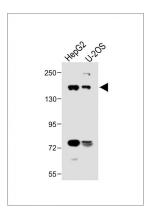
The membrane-associated protein encoded ABCB4 is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MDR/TAP subfamily. Members of the MDR/TAP subfamily are involved in multidrug resistance as well as antigen presentation. This gene encodes a full transporter and member of the p-glycoprotein family of membrane proteins with phosphatidylcholine as its substrate. The function of this protein has not yet been determined; however, it may involve transport of phospholipids from liver

hepatocytes into bile. Alternative splicing of this gene results in several products of undetermined function.

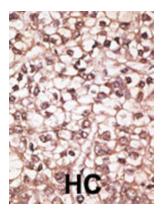
References

Eloranta, M.L., et al., Eur J Obstet Gynecol Reprod Biol 105(2):132-135 (2002). Eloranta, M.L., et al., Eur J Obstet Gynecol Reprod Biol 104(2):109-112 (2002). Jacquemin, E., Semin. Liver Dis. 21(4):551-562 (2001). Smit, J.J., et al., Biochim. Biophys. Acta 1261(1):44-56 (1995). Ruetz, S., et al., Cell 77(7):1071-1081 (1994).

Images



All lanes: Anti-hABCB4-S639 at 1:500 dilution Lane 1: HepG2 whole cell lysate Lane 2: U-2OS whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 142 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

Citations

• Hepatic lipid accumulation in apolipoprotein C-I-deficient mice is potentiated by cholesteryl ester transfer protein.

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