MDR3 monoclonal antibody

Catalog: MB66926 Host: Mouse Reactivity: Human

BackGround:

Energy-dependent phospholipid efflux translocator that acts as a positive regulator of biliary lipid secretion. Functions as a floppase that translocates specifically phosphatidylcholine from the inner to the outer leaflet of the canalicular membrane bilayer into the canaliculi of hepatocytes. Translocation of PC makes the biliary phospholipids available for extraction into the canaliculi lumen by bile salt mixed micelles and therefore protects the biliary tree from the detergent activity of bile salts

Plays a role in the recruitment of phosphatidylcholine , phosphatidylethanolamine and sphingomyelin molecules to nonraft membranes and to further enrichment of SM and cholesterol in raft membranes in cytes .Required for proper phospholipid bile formation.Indirectly involved in cholesterol efflux activity from hepatocytes into the canalicular lumen in the presence of bile salts in an ATP-dependent manner.Promotes biliary phospholipid secretion as canaliculi-containing vesicles from the canalicular plasma membrane .In cooperation with ATP8B1, functions to protect hepatocytes from the deleterious detergent activity of bile salts .Does not confer multidrug resistance .

Product:

Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 140 kDa

Swiss-Prot:

P21439

Purification&Purity:

This antibody is purified through a protein G column.

Applications:

WB (1/1000 - 1/2000)

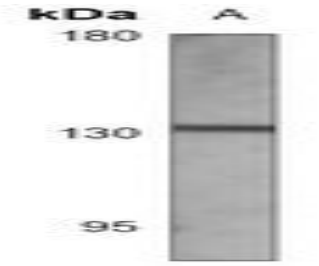
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of MDR3 protein.

DATA:



Western blot analysis of MDR3 expression in MCF7 (A) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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