

## 44-1165: Anti-MDR3 Monoclonal Antibody (Clone:IHC621)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	IHC621
<b>Application :</b>	IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	ABCB4
<b>Gene ID :</b>	5244
<b>Uniprot ID :</b>	P21439
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Phosphatidylcholine translocator ABCB4, ATP-binding cassette sub-family B member 4, Multidrug resistance protein 3, P-glycoprotein 3

### Description

Multidrug Resistance 3 (MDR3), also known as ATP Binding Cassette Subfamily B Member 4 (ABCB4), is a membrane-associated protein belonging to the superfamily of ATP-binding cassette transporters. MDR3 is an energy-dependent phospholipid efflux translocator that mediates the translocation of phosphatidylcholine across the canalicular membrane of the hepatocyte, and also acts as a positive regulator of biliary lipid secretion. Defects in MDR3 are associated with progressive familial intrahepatic cholestasis type 3 and gallbladder disease type 1. Co-overexpression of MDR3 and MRP1 has been documented as correlating with blastemal subtype and high-risk prognosis of Wilms' tumor patients.

### Product Info

<b>Amount :</b>	0.1 ml / 1 ml
<b>Purification :</b>	Protein A/G Chromatography
<b>Storage condition :</b>	Store at 2°C - 8°C.

### Application Note

Recommended dilutions: Immunohistochemical analysis: 1:100 - 1:200. However, this need to be optimized based on the research applications.

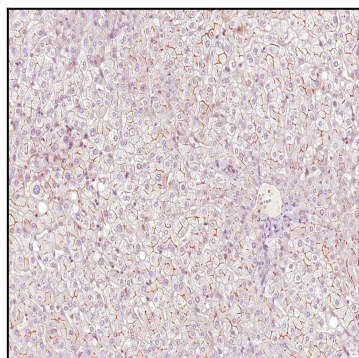


Figure 1: Immunohistochemical analysis of MDR3 (IHC621) on Liver