

CYP8B1 Polyclonal Antibody

Catalog NumberPA5-35363

Product data sheet

Details		Species Reactivity	
Size	400 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Flow Cytometry (Flow)	1:10-1:50
Type	Antibody	Immunohistochemistry (Paraffin) (IHC (P))	1:10-1:50
Immunogen	KLH conjugated synthetic peptide between 471-501 amino acids from the C-terminal region of human CYP8B1	Western Blot (WB)	1:1,000
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	Lot-specific		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Background/Target Information

CYP8B1 (sterol 12-alpha-hydroxylase) is a member of the cytochrome P450 superfamily of monooxygenase enzymes that are involved in the metabolism of a wide array of endogenous and xenobiotic compounds. CYP8B1 is highly expressed in liver and is an important enzyme for bile acid synthesis. Specifically, CYP8B1 moderates the ratio of cholic acid over chenodeoxycholic acid to control the solubility of cholesterol. The gene encoding human CYP8B1 maps to chromosome 3p22.1. The CYP8B1 gene encodes a 501-amino acid protein and does not contain any introns. The CYP8B1 gene promoter is transactivated by hepatocyte nuclear factor 4a. In mice, disruption of the CYP8B1 gene prevents the synthesis of cholate, which is a primary bile acid.

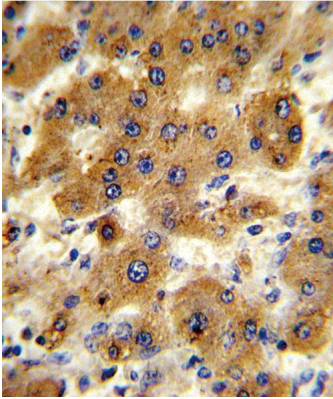
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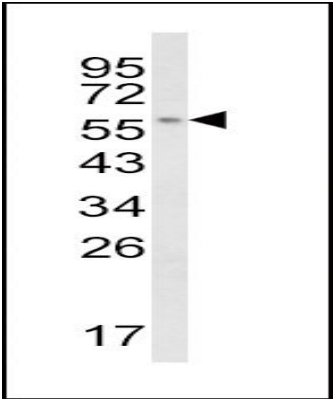
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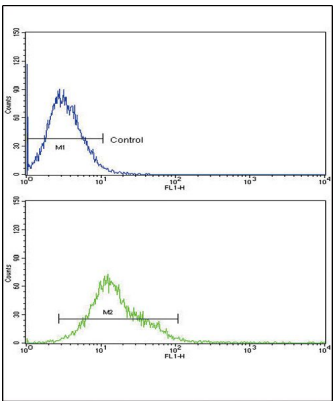
Product Images For CYP8B1 Polyclonal Antibody



**CYP8B1 Antibody (PA5-35363) in IHC (P)**  
Immunohistochemistry analysis of CYP8B1 in formalin-fixed, paraffin-embedded human hepatocarcinoma using a CYP8B1 polyclonal antibody (Product # PA5-35363) followed by DAB staining.



**CYP8B1 Antibody (PA5-35363) in WB**  
Western blot analysis of CYP8B1 in K562 cell lysate (35 µg/lane) using a CYP8B1 polyclonal antibody (Product # PA5-35363).



**CYP8B1 Antibody (PA5-35363) in Flow**  
Flow cytometry analysis of CYP8B1 in K562 cells (bottom) compared to a negative control (top) using a CYP8B1 polyclonal antibody (Product # PA5-35363) followed by detection using a FITC-conjugated goat-anti-rabbit secondary antibody.

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