

## CYP7B1 (Q127) polyclonal antibody

Catalog: BS3024

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

P450 enzymes constitute a family of monooxygenase enzymes that are involved in the metabolism of a wide array of endogenous and xenobiotic compounds including cholesterol. CYP7A1, is the rate limiting enzyme of bile acid synthesis in the liver, and its expression is mediated by the bile acid receptor FXR. CYP7B1 (oxysterol 7- $\alpha$ -hydroxylase) functions as an enzyme in the alternate bile acid synthesis pathway. Specifically, CYP7B1 metabolizes 25- and 27-hydroxycholesterol. The gene encoding human CYP7B1 maps to chromosome 8q21.3. Mutations in the CYP7B1 gene may cause a metabolic defect in bile acid synthesis characterized by elevated urinary bile acid excretion, severe cholestasis, cirrhosis and liver synthetic failure.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 58 kDa

### Swiss-Prot:

O75881

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

IHC: 1:50~1:200

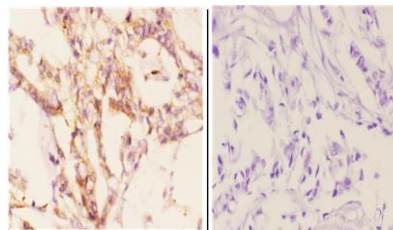
### Storage&Stability:

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

### Specificity:

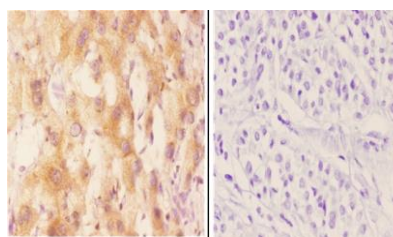
CYP7B1 (Q127) polyclonal antibody detects endogenous levels of CYP7B1 protein.

### DATA:



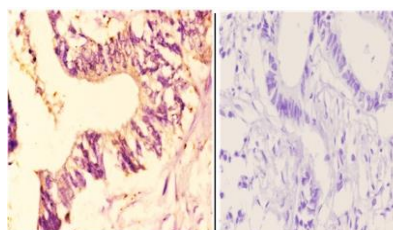
BS3024  
Lot CA36131

Immunohistochemistry (IHC) analyzes of CYP7B1 (Q127) pAb in paraffin-embedded human breast carcinoma tissue at 1:50, showing strong membranous and cytoplasmic staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



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Immunohistochemistry (IHC) analyzes of CYP7B1 (Q127) pAb in paraffin-embedded human liver carcinoma tissue at 1:50, showing strong membranous and cytoplasmic staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



BS3024  
Lot CA36131

Immunohistochemistry (IHC) analyzes of CYP7B1 (Q127) pAb in paraffin-embedded human rectum carcinoma tissue at 1:50, showing strong membranous and cytoplasmic staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is

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## PRODUCT DATA SHEET

Bioworld Technology, Inc.

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Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

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

Note:

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