

## CYP8B1 polyclonal antibody

Catalog: BS5986

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

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.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 58 kDa

### Swiss-Prot:

Q9UNU6

### 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:

WB: 1:500~1:1000

IHC: 1:50~1:200

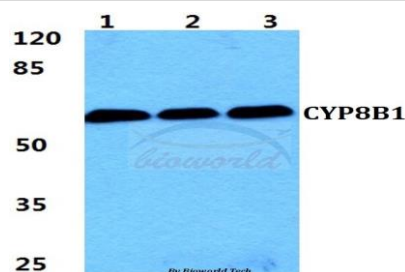
### Storage&Stability:

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

### Specificity:

CYP8B1 polyclonal antibody detects endogenous levels of CYP8B1 protein.

### DATA:



Western blot (WB) analysis of CYP8B1 polyclonal antibody at 1:500 dilution

Lane1: HEK293T cell lysate

Lane2: sp2/0 cell lysate

Lane3: PC12 cell lysate

### Note:

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

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