

CYP8B1 polyclonal antibody

Catalog: BCP00616

Host: Rabbit

Reactivity: Human,Mouse,Rat

BackGround:

CYP8B1 (sterol 12- α -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 4 α . In mice, disruption of the CYP8B1 gene prevents the synthesis of cholate, which is a primary bile acid.

Product:

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

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

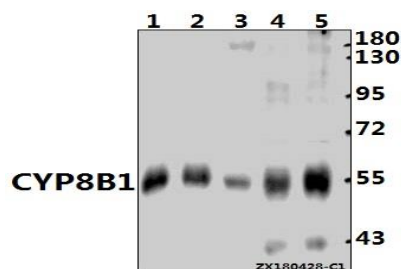
Storage&Stability:

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

Lane1:3T3-L1 whole cell lysate

Lane2:A375 whole cell lysate

Lane3:The Liver tissue lysate of Rat

Lane4:L02 whole cell lysate

Lane5:HepG2 whole cell lysate

Note:

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