Bioworld Technology CO., Ltd.

CYP8B1 Peptide

Cat No.: BS5986P

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.

Swiss-Prot

Q9UNU6

Applications

Blocking

Specificity

This peptide can be used with studies using BS5986 CYP8B1 pAb.

Purification & Purity

Synthetic peptide CYP8B1. (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

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

Research Use

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

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