

CYP2E1 polyclonal antibody

Catalog: BS5686

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Cytochrome P450 2E1 (CYP2E1) localizes to the endoplasmic reticulum and is induced by ethanol, the diabetic state, and starvation. The enzyme metabolizes both endogenous levels of substrates, such as ethanol, acetone, and acetal, as well as exogenous substrates including benzene, carbon tetrachloride, ethylene glycol, and nitrosamines which are premutagens found in cigarette smoke. CYP2E1 plays an important role in alcohol metabolism and participates in the metabolic activation of various carcinogens. Chronic ethanol consumption results in the induction of hepatic CYP2E1 in humans, which may play an important role in the pathogenesis of alcoholic liver disease. Due to its many substrates, this enzyme may be involved in such varied processes as gluconeogenesis, hepatic cirrhosis, diabetes, and cancer.

Product:

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

Molecular Weight:

~ 57 kDa

Swiss-Prot:

P05181

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

ICC: 1:50~1:200

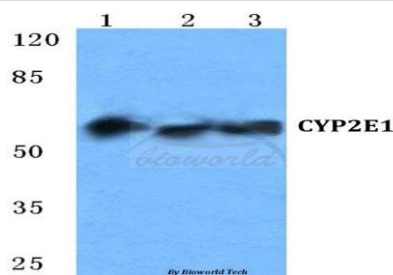
Storage&Stability:

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

Specificity:

CYP2E1 polyclonal antibody detects endogenous levels of CYP2E1 protein.

DATA:



Western blot (WB) analysis of CYP2E1 polyclonal antibody at 1:500 dilution

Lane1:HEK293T cell lysate

Lane2:NIH-3T3 cell lysate

Lane3:H9C2 cell lysate

Note:

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

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