Cytochrome P450 Polyclonal Antibody

CATALOG NO: 3084R-30T  30 µg (Trial size)
                 3084R-100  100 µg

HOST: Rabbit

IMMUNOGEN: Synthetic peptide surrounding amino acid 405 of human Cytochrome p450 (Internal ID# BV-C44)

SPECIES REACTIVITY: Human, Mouse, Rat, Dog

FORMULATION: 0.5 mg/ml purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA and 0.01% thimerosal.

STORAGE CONDITIONS: Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/defrost cycles.

BACKGROUND DESCRIPTION: Cytochrome P450 is mainly found in liver, and can metabolize a wide range of compounds such as organic solvents, acetaminophen, dimethylnitrosoamine and aliphatic alcohol, which have certain toxicological effects in humans. Ethanol-induced cytochrome P450 IIE1 is considered to be one of the major causes of oxidative stress in the liver following ethanol treatment.

SPECIFICITY: The antibody detects ~58kDa cytochrome P450 IIE1 from samples of human, mouse, rat and dog origins.

APPLICATION AND USAGE: The antibody can be used for Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. Blocking peptide (Cat.# 3084RBP-50) is available separately.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:
Apoptosis Detection Kits & Reagents
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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System
- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

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Monoclonal and Polyclonal Antibodies