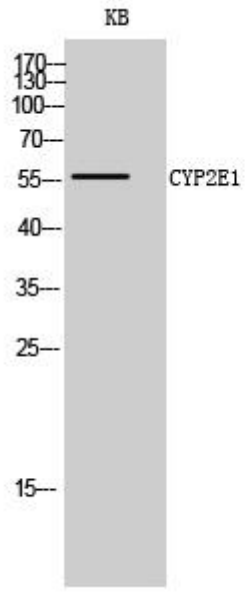
CYP2E1 Monoclonal Antibody

Catalog No	YP-mAb-02587
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CYP2E1
Protein Name	Cytochrome P450 2E1
Immunogen	The antiserum was produced against synthesized peptide derived from human Cytochrome P450 2E1. AA range:371-420
Specificity	CYP2E1 Monoclonal Antibody detects endogenous levels of CYP2E1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CYP2E1; CYP2E; Cytochrome P450 2E1; 4-nitrophenol 2-hydroxylase; CYPIIE1; Cytochrome P450-J
Observed Band	56kD
Cell Pathway	Endoplasmic reticulum membrane ; Peripheral membrane protein . Microsome membrane ; Peripheral membrane protein . Mitochondrion inner membrane ; Peripheral membrane protein . Post-translationally targeted to mitochondria. TOMM70 is required for the translocation across the mitochondrial outer membrane. After translocation into the matrix, associates with the inner membrane as a membrane extrinsic protein. .
Tissue Specificity	Brain,Liver,Lung,PCR rescued clones,
Function	catalytic activity:4-nitrophenol + NADPH + O(2) = 4-nitrocatechol + NADP(+) + H(2)O.,cofactor:Heme group.,function:Metabolizes several precarcinogens, drugs, and solvents to reactive metabolites. Inactivates a number of drugs and xenobiotics and also bioactivates many xenobiotic substrates to their hepatotoxic or carcinogenic forms.,induction:By ethanol and isoniazid.,online information:CYP2E1 alleles,online information:CYP2E1 entry,similarity:Belongs to the cytochrome P450 family.,
Background	This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many

	reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum and is induced by ethanol, the diabetic state, and starvation. The enzyme metabolizes both endogenous 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. Due to its many substrates, this enzyme may be involved in such varied processes as gluconeogenesis, hepatic cirrhosis, diabetes, and cancer. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using CYP2E1 Monoclonal Antibody