

Mouse Cytochrome p450 Monoclonal Antibody | anti-CYP2E1 antibody

Cytochrome p450

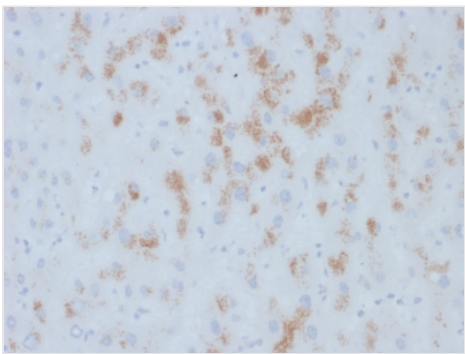
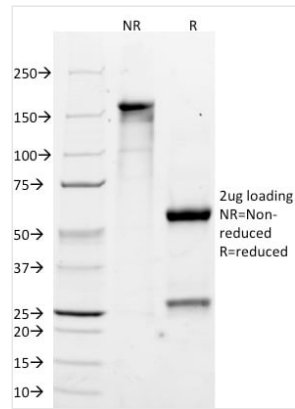
CATALOG # AAA62951	HOST Mouse	REACTIVITY Human. Others not known.	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

Cytochrome p450; Monoclonal Antibody; 4-nitrophenol 2-hydroxylase; CPE1; CYP2Ecytochrome P450 2E1; CYP1IIE1; cytochrome P450; family 2; subfamily E; polypeptide 1; subfamily IIE (ethanol-inducible); Cytochrome P450-J; EC 1.14.13; EC 1.14.13.n7; EC 1.14.14.1; flavoprotein-linked monooxygenase; microsomal monooxygenase; P450C2E; P450-J; xenobiotic monooxygenase; anti-CYP2E1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	M12P4H2
Specificity	This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are mono-oxygenases, 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 pre-mutagens 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.
Form/Format	1mg/ml of Ab purified from Bioreactor Concentrate by Protein A/G.
Sequence Length	493
Applicable Applications for anti-CYP2E1 antibody	IHC (Immunohistochemistry)
Immunogen	Ovalbumin-conjugated synthetic peptide HIGFGCIPPR (C-terminal sequence)
Cellular Localization	Endoplasmic reticulum membrane, Microsome membrane, Mitochondrion inner membrane
Hu-chromosome Location	10q26.3
Positive Control	HepG2 cells. Liver.
Preparation and Storage	Antibody without azide - store at -20°C to -80°C. Non-hazardous. No MSDS required.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Hepatic Carcinoma stained with Cytochrome p450 Mouse Monoclonal Antibody (M12P4H2).

SDS-PAGE
SDS-PAGE Analysis Purified Cytochrome p450 Mouse Monoclonal Antibody (M12P4H2).
Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

References	Itoga, S., Nomura, F., Harada, S., Tsutsumi, M., Takase, S. and Nakai, T. 1999. Mutations in the exons and exon-intron junction regions of human cytochrome P-4502E1 gene and alcoholism. Alcohol. Clin. Exp. Res. 23: 13S-16S.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	10834998
NCBI GeneID	1571
NCBI Accession #	NP_000764.1
NCBI GenBank Nucleotide #	NM_000773.3
UniProt Accession #	P05181; Q5VZD5; Q6NWT9; Q9UK47
Molecular Weight	50-55kDa
NCBI Official Full Name	cytochrome P450 2E1
NCBI Official Synonym Full Names	cytochrome P450 family 2 subfamily E member 1
NCBI Official Symbol	CYP2E1
NCBI Official Synonym Symbols	CPE1; CYP2E; P450-J; P450C2E
NCBI Protein Information	cytochrome P450 2E1
UniProt Protein Name	Cytochrome P450 2E1
UniProt Gene Name	CYP2E1
UniProt Synonym Gene Names	CYP2E

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.