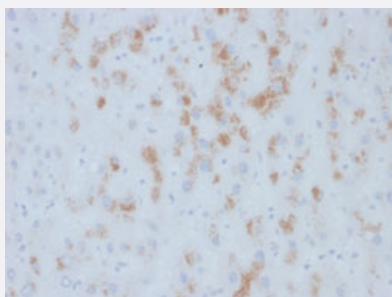


CYP2E1 monoclonal antibody, clone M12P4H2

Catalog # MAB20905 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human hepatic carcinoma with CYP2E1 monoclonal antibody, clone M12P4H2 (Cat # MAB20905).

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of human CYP2E1.
Immunogen	A synthetic peptide (conjugated with Ovalbumin) corresponding to C-terminus region of human CYP2E1.
Sequence	HIGFGCIPPR
Host	Mouse
Theoretical MW (kDa)	50-55
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide).

Storage Instruction

Store at 2 to 8°C.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human hepatic carcinoma with CYP2E1 monoclonal antibody, clone M12P4H2 (Cat # MAB20905).

Gene Info — CYP2E1

Entrez GeneID
[1571](#)
Protein Accession#
[P05181](#)
Gene Name

CYP2E1

Gene Alias

CPE1, CYP2E, P450-J, P450C2E

Gene Description

cytochrome P450, family 2, subfamily E, polypeptide 1

Omim ID
[124040](#)
Gene Ontology
[Hyperlink](#)
Gene Summary

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]

Other Designations

OTTHUMP00000020813|OTTHUMP00000046571|cytochrome P450 2E1|cytochrome P450, subfamily IIE (ethanol-inducible), polypeptide 1|flavoprotein-linked monooxygenase|microsomal monooxygenase|xenobiotic monooxygenase

Pathway

- [Arachidonic acid metabolism](#)

- [Drug metabolism - cytochrome P450](#)
- [Linoleic acid metabolism](#)
- [Metabolic pathways](#)
- [Metabolism of xenobiotics by cytochrome P450](#)

Disease

- [Abnormalities](#)
- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Adenoma](#)
- [Alcohol-Induced Disorders](#)
- [Alcoholism](#)
- [Alzheimer Disease](#)
- [Anemia](#)
- [Aneuploidy](#)
- [Arteriosclerosis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchitis](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cervical Intraepithelial Neoplasia](#)

- [Chromosome Aberrations](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cocarcinogenesis](#)
- [Colon cancer](#)
- [Colorectal Neoplasms](#)
- [Consciousness](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [DNA Damage](#)
- [Drug-Induced Liver Injury](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Endometriosis](#)
- [Esophageal Neoplasms](#)
- [Fatty Liver](#)
- [Fetal Growth Retardation](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Genomic Instability](#)
- [Glioma](#)
- [Head and Neck Neoplasms](#)

- [Heart Diseases](#)
- [Helicobacter Infections](#)
- [Hemorrhage](#)
- [Hepatitis](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [Hodgkin Disease](#)
- [Hypercholesterolemia](#)
- [Hypertension](#)
- [Hypopharyngeal Neoplasms](#)
- [Infant](#)
- [Kidney Failure](#)
- [Kidney Neoplasms](#)
- [Laryngeal Neoplasms](#)
- [Leukemia](#)
- [Leukoplakia](#)
- [Liver Cirrhosis](#)
- [Liver Diseases](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Malnutrition](#)
- [Meningioma](#)
- [Mesothelioma](#)
- [Metaplasia](#)

- [Micronuclei](#)
- [Motor Neuron Disease](#)
- [Mouth Neoplasms](#)
- [Myelodysplastic Syndromes](#)
- [Nasopharyngeal Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Neuroma](#)
- [Neurotoxicity Syndromes](#)
- [Neutropenia](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Occupational Diseases](#)
- [Oropharyngeal Neoplasms](#)
- [Osteonecrosis](#)
- [Otorhinolaryngologic Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Pancreatitis](#)
- [Papillomavirus Infections](#)
- [Parkinson disease](#)
- [Periodontitis](#)
- [Peripheral Nervous System Diseases](#)
- [Pleural Neoplasms](#)

- [Pneumonia](#)
- [Precancerous Conditions](#)
- [Pregnancy Complications](#)
- [Prenatal Exposure Delayed Effects](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Pulmonary Emphysema](#)
- [Recurrence](#)
- [Respiratory Tract Diseases](#)
- [Respiratory Tract Neoplasms](#)
- [Scleroderma](#)
- [Stomach Neoplasms](#)
- [Substance-Related Disorders](#)
- [Tobacco Use Disorder](#)
- [Trisomy](#)
- [Tuberculosis](#)
- [Tumor Virus Infections](#)
- [Ureteral Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Warts](#)
- [Werner syndrome](#)