

CYP2E1 rabbit monoclonal antibody

Catalog # H00001571-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human CYP2E1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human CYP2E1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human CYP2E1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — CYP2E1

Entrez GeneID	1571
GeneBank Accession#	CYP2E1
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](#)
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- [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](#)